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FIXED CAMERA DATA DUSTY INFRARED TEST-I (DIRT-I) 2 OCTOBER THRO--ETC(U)
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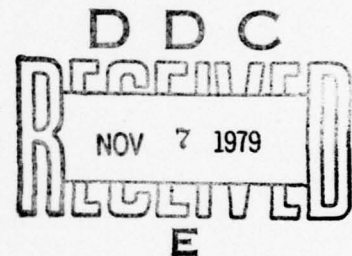
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**FIXED CAMERA DATA DUSTY INFRARED TEST-I (DIRT-I)
2 OCTOBER THROUGH 14 OCTOBER 1978**

AUGUST 1979



Prepared by

**Physical Science Laboratory
New Mexico State University
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Under Contract: DAAD07-79-C-0008
Contract Monitor: Donald E. Snider

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US Army Electronics Research and Development Command
ATMOSPHERIC SCIENCES LABORATORY
White Sands Missile Range, NM 88002

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Artillery dust	Dust cloud									
Battlefield dust	DIRT-I									
Battlefield smoke	Obscuration									
Cloud size	Penetration of battlefield obscuration									
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Dusty Infrared Test-I (DIRT-I) was conducted in October 1978 to quantify electromagnetic propagation through artillery dust clouds. This report, which is one in a series of reports on DIRT-I, describes the techniques for determining cloud size, shape, and relative position as a function of time. Cloud growth data are given for 29 of 36 discrete events and cloud periphery imaging data are given for the 37th continuous fire event.										

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DUSTY INFRARED TEST-I

FIXED CAMERA DATA REDUCTION REPORT

INDEX OF DATA

Page No.'s

GENERAL

Introduction	1
Table 2.1 - Event Schedule	2
Instrumentation	3
Fig. 2.1 - DIRT-I Instrumentation Site	4

A. DETONATION TIMES

Reduction Procedures	A
Table I - Detonation Times	A1 thru A2

B. PAYLOAD ENTRY & EXIT DATA

Reduction Procedures. Eq. (1).	B
Table II - Payload Entry & Exit Data	B1 thru B3

C. DUST CLOUD DATA

Reduction Procedures	Ca, b, c
Fig. I - Cloud Measurement Scheme	Cb
Table III. Detailed Index of Cloud Growth Data	C1a,1b,1c,1d
Cloud Data	C2 thru C84

D. SMOKE FROM FIRE TESTS - EVENT G-1

Reduction Procedures	D
Table IV - Index of Fire Test Data	Da
Smoke Cloud Photographs & Periphery Plots	D1 thru D124

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DIRT-I

FIXED CAMERA DATA REDUCTION REPORT

INTRODUCTION

Dusty Infrared Test-I (DIRT-I) conducted at White Sands Missile Range 2 Oct 1978 through 14 Oct 1978 utilized a variety of explosive events to create dust clouds and diesel oil-rubber-gasoline fires to create smoke clouds. The complete list of tests is shown in Table 2.1.

Technical photographic support was provided by four 35 mm cameras at two sites; data reduced from these records are presented in this report and include:

- A. detonation (or impact) times;
- B. times of payload entry into dust cloud and exit from cloud;
- C. dust cloud growth data consisting of
 - 1. stem width;
 - 2. cloud width;
 - 3. height at cloud top;
 - 4. centroid coordinates;
 - 5. coordinates of left and right edges of stem;
- D. graphs and photographs depicting growth of smoke clouds from fire tests.

TABLE 2-1. EVENT SCHEDULE

Date (Oct 1978)	Time (MDT)	Event	Size (lb)	Comments
2	0707	A-1	3	Three 1-lb TNT charges
2	0718:30	A-2	45	Three 15-lb TNT charges
2	0729	A-3	90	Three 30-lb TNT charges
2	0739:50	A-4	90	Three 30-lb TNT charges
3	0710	B-1	45	Three 15-lb TNT charges
3	0723	B-2	45	Three 15-lb TNT charges
3	0731	B-3	90	Three 30-lb TNT charges
3	0741:10	B-4	90	Three 30-lb TNT charges
3	0751:20	B-5	180	Three 60-lb TNT charges
3	0801:25	B-6	180	Three 60-lb TNT charges
3	0811	B-7	360	Three 120-lb TNT charges
3	0828:25	B-8	360	Three 120-lb TNT charges
5	0712:50	C-1	2100	One hundred and forty 15-lb charges
6	0717:25	D-1	36	Twelve 3-lb TNT charges
6	0730:40	D-2	72	Twelve 6-lb TNT charges
6	0748:55	D-3	144	Twelve 12-lb TNT charges
6	0807	D-4	288	Twelve 24-lb TNT charges
10	0900	C-2	2100	One Hundred and Forty 15-lb TNT charges
11	0747:40	E-1	45	Three 155-mm projectiles (TNT), static
11	0757:10	E-2	45	Three 155-mm projectiles (TNT), static
11	0821:45	E-3	180	Twelve 155-mm projectiles (TNT), static
11	0829:05	E-4	180	Twelve 155-mm projectiles (TNT), static
12	0737:10	F-1	60	Four 155-mm projectiles fired simultaneously
12	0748:10	F-2	180	Twelve 155-mm projectiles, rapid fire
12	0805:35	F-3	180	Twelve 155-mm projectiles, rapid fire
12	0823:10	F-4	120	Eight 155-mm projectiles, rapid fire
13	0738:10	F-5	120	Eight 155-mm projectiles, rapid fire
13	0753:35	F-6	120	Eight 155-mm projectiles, rapid fire
13	0808:20	F-7	120	Eight 155-mm projectiles, rapid fire
13	0826:15	F-8	45	Three 155-mm projectiles fired simultaneously
14	0739:50	E-5	45	Three 155-mm projectiles, 2-ft deep, static, 30°
14	0756:00	E-6	45	Three 155-mm projectiles, 2-ft deep, static, 30°
14	0808:45	E-7	45	Three 155-mm projectiles, 1-ft deep, static, 30°
14	0823:55	E-8	45	Three 155-mm projectiles, 1-ft deep, static, 30°
14	0836:10	E-9	45	Three 155-mm projectiles, surface, static, 30°
14	0846:10	E-10	45	Three 155-mm projectiles, surface, static, 30°
14	1056	G-1	-	Diesel oil, rubber, gasoline fire
14	1105:30*	G-1	-	Diesel oil, rubber, gasoline fire
14	1108:50*	G-1	-	Diesel oil, rubber, gasoline fire
14	1111:05*	G-1	-	Diesel oil, rubber, gasoline fire
14	1113:55*	G-1	-	Diesel oil, rubber, gasoline fire
14	1116:40*	G-1	-	Diesel oil, rubber, gasoline fire
14	1119*	G-1	-	Diesel oil, rubber, gasoline fire
14	1122:55*	G-1	-	Diesel oil, rubber, gasoline fire
14	1125:15*	G-1	-	Diesel oil, rubber, gasoline fire
14	1127:15*	G-1	-	Diesel oil, rubber, gasoline fire
14	1129:35*	G-1	-	Diesel oil, rubber, gasoline fire
14	1132:45*	G-1	-	Diesel oil, rubber, gasoline fire

*Command for range cameras on; helicopter approximately 10 to 15 seconds from smoke cloud.

DIRT-I

FIXED CAMERA DATA REDUCTION REPORT, CONT'D

INSTRUMENTATION

Technical cameras were of 35 mm type and operated at approximate frame rates of 10/sec with black and white film. Their designations and coordinates are as follows:

WSTM COORDINATES

<u>Camera Stations</u>	<u>X (ft)</u>	<u>Y (ft)</u>	<u>H (ft)</u>
E-1326 and E-1327	560,227.44	195,738.33	4,266
E-1328 and E-1329	555,492.55	185,165.07	4,353.51

Terrain and safety restrictions prevented camera site locations that would have provided lines of sight normal to the test area layout.

Focal lengths used for different events:

<u>Event Type</u>	<u>FOCAL LENGTHS</u>	
	<u>Camera Station</u> <u>E-1326, E-1327</u>	<u>Camera Station</u> <u>E-1328, E-1329</u>
A	58 mm	150 mm
B	58 mm	6 in.
C	40 mm	4 in.
D	58 mm	6 in.
E (1-4)	58 mm	150 mm
E (5-10)	58 mm	6 in.
F	58 mm	6 in.

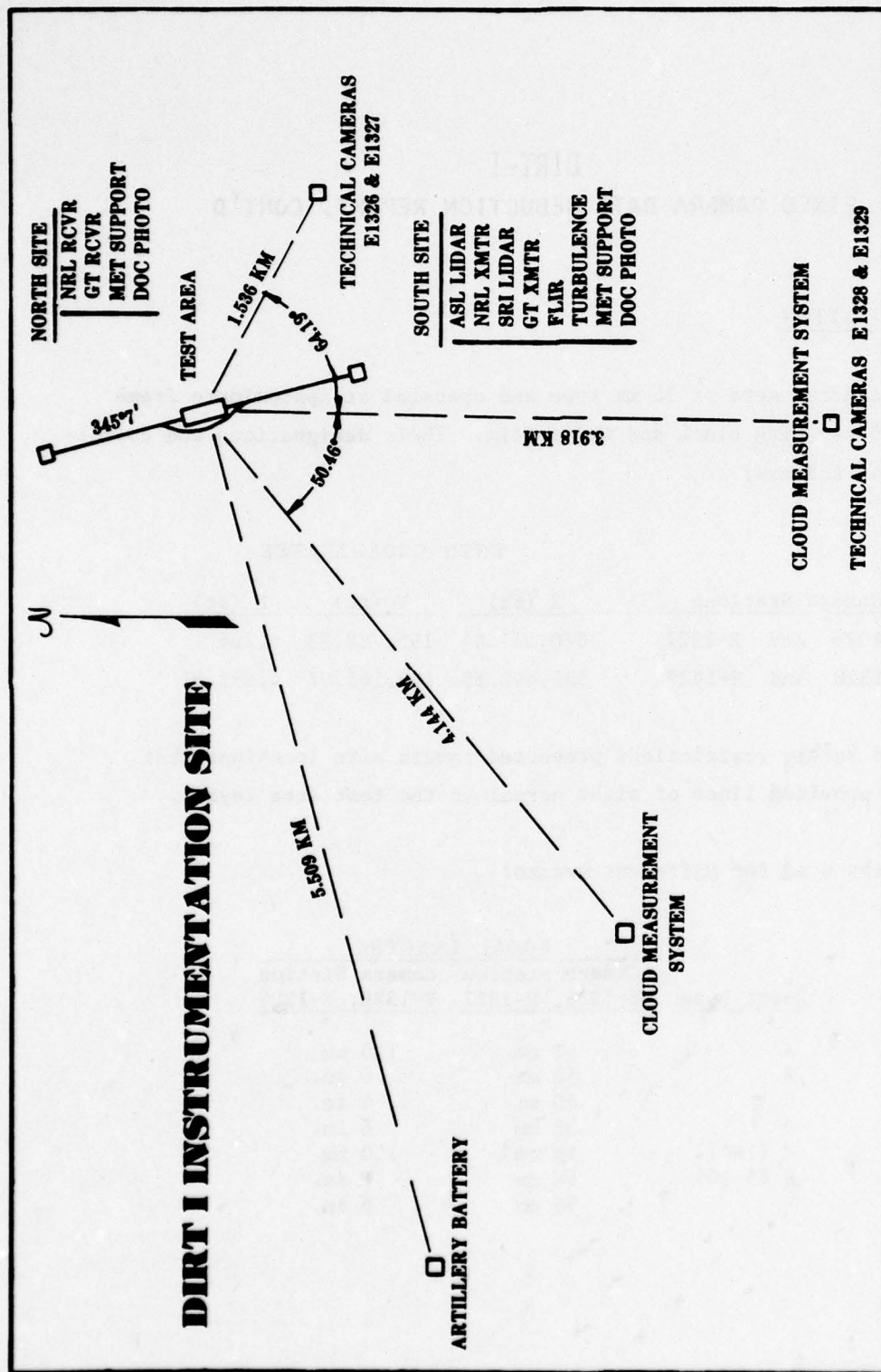


Figure 2-1. Plane view of DIRT-I site showing remotely located instrumentation and support elements. General location is in extreme southeast corner of White Sands Missile Range, New Mexico.

REDUCTION PROCEDURES

A. DETONATION TIMES

The designated detonation time is the time of the frame in which detonation could first be deemed to have taken place. At the frame rate of 10/sec used in these tests, the maximum error is less than 0.1 second. Not all detonations were observed, and some detonations were observed by only one camera. Where detonation was recorded by more than one camera, the time is given for each.

In tests involving projectiles rather than charges, impact time is assumed to correspond to detonation.

DETONATION TIMES
DETERMINED FROM PHOTOGRAPHIC RECORDS

TEST	CAMERA STATION	DETONATION TIME HR MN SEC
A2	1326	13 18 30.027
A2	1328	13 18 30.070
A3	1326	13 29 0.163
A3	1328	13 29 0.150
A4	1326	13 39 50.068
A4	1328	13 39 50.098
B1	1328	13 10 0.350
B2	1327	13 22 0.0
B2	1328	13 23 0.014
B3	1327	13 30 59.879
B3	1328	13 30 59.910
B4	1327	13 41 10.070
B4	1328	13 41 10.144
B5	1327	13 51 19.912
B5	1328	13 51 19.945
B6	1327	14 1 25.225
B6	1328	14 1 25.304
B7	1326	14 15 0.016
B7	1328	14 15 0.096
C1	1326	13 12 50.348
C1	1328	13 12 50.318
D1	1326	13 17 25.014
D1	1328	13 17 25.035
D2	1326	13 30 39.959
D2	1328	13 30 39.825
D3	1326	13 48 54.926
D3	1328	13 48 54.883
D4	1326	14 7 0.254
D4	1328	14 7 0.150
C2	1326	15 0 0.474
C2	1327	15 0 0.455
E1	1326	13 47 39.794

DETONATION TIMES
DETERMINED FROM PHOTOGRAPHIC RECORDS

TEST	CAMERA STATION	DETONATION TIME HR MN SEC
E1	1328	13 47 39.840
E2	1326	13 57 10.011
E2	1328	13 57 10.025
E3	1326	14 21 44.829
E3	1328	14 21 44.900
E4	1326	14 29 5.260
E4	1328	14 29 5.245
E6	1327	13 56 0.400
E7	1327	14 8 45.165
E8	1327	14 23 55.170
E9	1327	14 36 10.038
E10	1327	14 46 10.269
F1	1326	13 37 28.440
F1	1328	13 37 28.555
F2	1326	13 48 28.314
F2	1328	13 48 28.329
F3	1328	14 5 57.700
F4	1326	14 23 28.703
F4	1328	14 23 28.848
F5	1328	13 38 28.168
F6	1326	13 53 53.173
F6	1328	13 53 53.263
F7	1326	14 8 38.169
F7	1328	14 8 38.260
F8	1326	14 26 33.030
F8	1328	14 26 33.213

REDUCTION PROCEDURES

B. PAYLOAD ENTRY AND EXIT DATA

Times of payload entry into and exit from the cloud are given as the times of the frames in which these events were observed to have taken place. They are given for all cameras possible and for multiple entries and exits when these occurred.

Height D of the payload at entry or exit was determined from film distance d of the payload above ground level, focal length F, and range R from camera to test site.

$$D = \frac{R d}{F} \quad (1)$$

PAYLOAD ENTRY AND EXIT DATA

TEST	CAMERA STATION	TIME OF PAYLOAD ENTRY HR MN SEC	HT AT ENTRY (M)	TIME OF PAYLOAD EXIT HR MN SEC	HT AT EXIT (M)
A2	1328	13 18 52.233	30.0	13 19 12.281	37.8
A3	1326	13 29 18.605	21.4	13 29 20.630	22.2
A3	1328	13 29 11.041	26.0	13 29 26.902	23.9
A4	1326	13 40 10.558	20.3	13 40 15.513	20.1
A4	1328	13 40 17.898	17.0	13 40 29.535	18.3
B4	1327	13 41 44.173	49.2	13 41 49.999	62.0
B4	1328	13 41 34.620	48.2	13 41 38.331	46.4
B5	1327	13 51 50.034	34.3	13 51 53.293	35.0
B5	1327	13 52 20.456	84.7	NOT AVAILABLE	
B5	1328	13 51 43.433	42.4	13 52 2.788	45.1
B6	1327	14 2 6.266	48.3	14 2 11.395	66.3
B7	1326	14 16 5.798	145.7	14 16 9.244	144.7
B7	1326	14 16 21.017	164.9	14 16 33.362	192.6
B7	1328	14 15 20.148	53.1	14 15 43.981	71.7
C1	1326	13 14 46.703	41.0	NOT AVAILABLE	
C1	1328	NOT AVAILABLE		13 14 5.588	68.2
C1	1328	13 14 16.896	65.4	NOT AVAILABLE	
D1	1326	13 18 21.803	23.2	13 18 40.271	30.3
D1	1328	13 18 8.497	1.1	13 18 39.298	29.2
D2	1326	13 31 30.528	9.6	13 31 41.838	5.3
D2	1328	13 31 15.343	7.8	13 31 37.238	9.0
D3	1326	13 49 50.810	4.5	13 50 8.843	6.1
D4	1326	14 7 47.303	10.9	14 8 7.130	5.2
D4	1328	NOT AVAILABLE		14 8 42.417	27.1
E1	1328	13 48 25.754	28.7	13 48 29.268	30.8

PAYLOAD ENTRY AND EXIT DATA

TEST	CAMERA STATION	TIME OF PAYLOAD ENTRY HR MN SEC	HT AT ENTRY (M)	TIME OF PAYLOAD EXIT HR MN SEC	HT AT EXIT (M)
E2	1326	13 57 52.768	17.3	13 58 0.791	3.6
E2	1328	13 57 42.641	25.6	13 58 6.048	5.1
E3	1326	14 22 27.781	23.4	14 22 33.859	25.1
E3	1328	14 22 17.401	32.9	14 22 25.689	25.0
E4	1326	14 29 49.800	16.8	14 30 4.635	9.2
E4	1328	14 29 36.659	36.3	14 30 0.729	11.0
E5	1327	13 41 1.535	3.0	NOT AVAILABLE	
F6	1327	13 57 14.588	8.3	13 57 26.041	10.1
F7	1327	14 9 50.968	26.8	14 10 15.880	78.4
E8	1327	14 25 11.535	10.2	14 25 21.219	18.4
E9	1327	14 36 58.848	17.0	14 37 36.910	26.5
E10	1327	14 47 4.240	23.4	14 47 45.795	76.0
*12	1327	NOT AVAILABLE		17 6 7.034	999.0
12	1328	17 5 49.519	8.9	17 5 52.438	7.7
13	1327	NOT AVAILABLE		17 8 58.460	999.9
13	1328	NOT AVAILABLE		17 9 1.848	18.4
14	1327	NOT AVAILABLE		17 11 17.768	999.9
14	1328	17 11 19.814	7.1	17 11 24.090	11.9
15	1327	17 13 58.410	17.8	17 14 29.380	26.0
15	1328	NOT AVAILABLE		17 14 11.844	999.9
15	1328	17 14 16.700	13.3	17 14 22.433	15.6
16	1327	17 17 1.879	7.1	17 17 14.778	52.9
16	1328	17 16 48.496	20.9	NOT AVAILABLE	
17	1327	NOT AVAILABLE		17 20 19.945	54.1
18	1327	NOT AVAILABLE		17 23 22.594	64.4

*numbers 12 through 18, above, correspond to G-1 events.

PAYLOAD ENTRY AND EXIT DATA

TEST	CAMERA STATION	TIME OF		HT AT ENTRY (M)	TIME OF		HT AT EXIT (M)
		PAYLOAD HR MN SEC	ENTRY HR MN SEC		PAYLOAD HR MN SEC	EXIT HR MN SEC	
*18	1328	17 23	0.844	20.9	17 23	10.658	58.2
19	1327	NOT AVAILABLE			17 25	15.205	70.3
19	1328	NOT AVAILABLE			17 25	34.708	68.5
20	1327	NOT AVAILABLE			17 27	41.658	152.7
20	1328	17 27	29.175	67.1	NOT AVAILABLE		
21	1327	NOT AVAILABLE			17 29	50.719	151.6
21	1328	NOT AVAILABLE			17 29	48.716	131.9
F1	1326	13 38	20.007	21.3	13 38	35.769	27.8
F1	1328	13 38	21.453	22.5	13 39	6.184	80.1
F2	1326	13 49	52.910	21.1	13 50	7.699	28.0
F2	1328	13 49	45.556	28.7	NOT AVAILABLE		
F3	1328	14 7	26.694	22.0	NOT AVAILABLE		
F4	1326	14 24	54.880	30.5	NOT AVAILABLE		
F4	1328	14 24	42.390	28.0	NOT AVAILABLE		
F5	1328	13 39	52.438	21.9	NOT AVAILABLE		
F6	1326	13 55	46.955	18.4	13 56	3.699	25.2
F6	1328	13 55	32.436	85.0	NOT AVAILABLE		
F7	1328	14 9	56.766	17.0	NOT AVAILABLE		
F8	1326	14 28	1.046	12.2	14 28	5.988	14.9
F8	1328	14 27	43.290	18.9	NOT AVAILABLE		

*numbers 18 through 21, above, correspond to G-1 events.

REDUCTION PROCEDURES

C. DUST CLOUD DATA

Explosive events used to create dust clouds in the test area are listed in Table 2.1 as events: A (1-4); B (1-8); C (1-2); D (1-4); E (1-10); and, F (1-8).

The A and B events and some of the E events utilized three charges; when the three ensuing clouds could be distinguished on film they were measured at approximately 0.1-second intervals (every frame) and reduced individually as clouds C1, C2, and C3 of the developing cloud. Gradually, these individual clouds formed a merged cloud. In some other tests, a merged cloud was the only kind discernible.

F event clouds that were measured and reduced were clouds caused by the impact of a single shell separated from cluster bursts. Merged clouds and isolated bursts were measured at approximately 5-second (50 frame) intervals. Clouds for D and F events were also measured at single-frame intervals for the first 3-second coverage from camera station E-1328.

REDUCTION PROCEDURES

C. DUST CLOUD DATA, CONT'D

Cloud images were measured according to the scheme illustrated in Fig. I. The coordinate system origin is at the center of the test array; the x-axis is horizontal at ground level, and the y-axis is vertical.

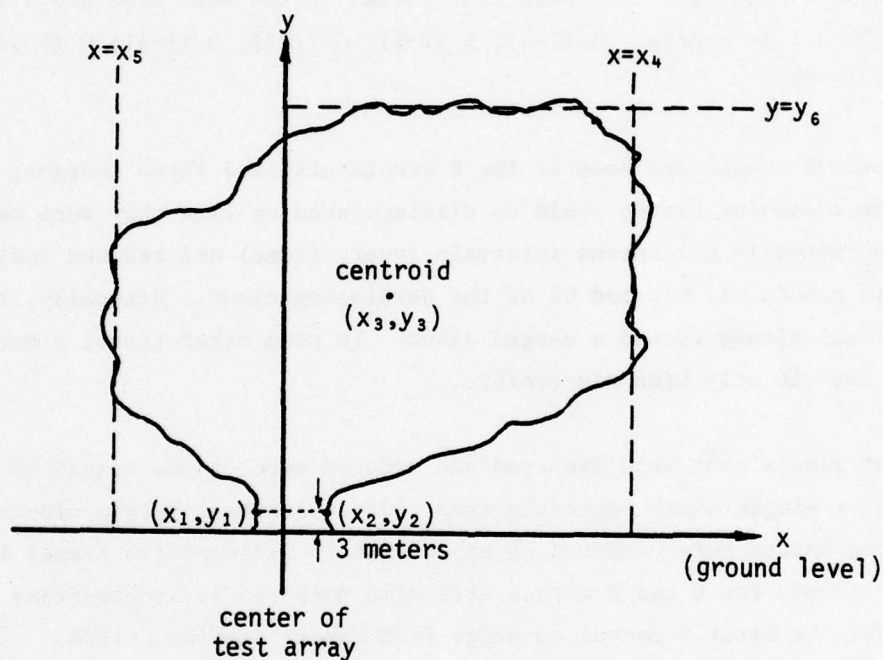


FIG. I. CLOUD MEASUREMENT SCHEME

The stem edges were measured 3 meters above ground level (x_1, y_1) and (x_2, y_2) . The centroid location was estimated and recorded as (x_3, y_3) . Left and right edges of the cloud were estimated to yield x_5 and x_4 , and the top of the cloud was similarly estimated to yield y_6 . The irregular shape and indistinct edges of the cloud preclude exact measurements; measurements are necessarily functions of the judgment of the film reader.

REDUCTION PROCEDURES

C. DUST CLOUD DATA, CONT'D

All cloud data were derived by converting film distances to object distances according to Eq. (1) as follows.

<u>Object Distance D</u>	<u>Film Distance d</u>
stem width	$(x_2 - x_1)$
cloud width	$(x_4 - x_5)$
height at top of cloud	y_6
cloud centroid	x_3, y_3
stem edge, left	x_1
stem edge, right	x_2

Stem edges (at 3 meters above ground level) are not given for developing clouds.

Non-perpendicularity of line-of-sight to test layout results in some distortion of data derived by conversion of film distance to spatial distance by application of a simple scale factor. No corrections for this aspect distortion have been applied. Another factor which introduces some error in the scale factor and therefore in the reduced data is cloud drift in the optical axis direction. No modifications for drift correction have been made to data in this report.

TABLE III
DETAILED INDEX OF CLOUD GROWTH DATA

Date (Oct 1978)	Mission Code	Event (Test)	Camera Station	CLOUD GROWTH DATA	Page
2	AB	A-1		not available	
		A-2	1328	developing cloud	C 2
		A-2	1328	merged cloud	C 3
		A-3	1326	developing cloud	C 4
		A-3	1326	merged cloud	C 5
		A-3	1328	developing cloud	C 6
		A-3	1328	merged cloud	C 7
		A-4	1326	developing cloud	C 8
		A-4	1326	merged cloud	C 9
		A-4	1328	developing cloud	C 10
		A-4	1328	merged cloud	C 11
3	FB	B-1	1328	developing cloud	C 12
		B-1	1328	merged cloud	C 13
		B-2	1327	developing cloud not available	
		B-2	1327	merged cloud	C 14
		B-2	1328	developing cloud	C 16
		B-2	1328	merged cloud	C 18
		B-3	1327	developing cloud	C 19
		B-3	1327	merged cloud	C 20
		B-3	1328	developing cloud	C 22
		B-3	1328	merged cloud	C 23
		B-4	1327	developing cloud not available	
		B-4	1327	merged cloud	C 24
		B-4	1328	developing cloud	C 26
		B-4	1328	merged cloud	C 27
		B-5	1327	developing cloud	C 28
		B-5	1327	merged cloud	C 29
		B-5	1328	developing cloud	C 31
		B-5	1328	merged cloud	C 32
		B-6	1327	developing cloud	C 33
		B-6	1327	merged cloud	C 34
		B-6	1328	developing cloud	C 36
		B-6	1328	merged cloud	C 37

TABLE III, CONT'D
DETAILED INDEX OF CLOUD GROWTH DATA

Date (Oct 1978)	Mission Code	Event (Test)	Camera Station	CLOUD GROWTH DATA	Page
3	FB	B-7	1326	developing cloud	C 38
		B-7	1326	merged cloud	C 39
		B-7	1328	developing cloud	C 40
		B-7	1328	merged cloud	C 41
		B-8		not available	
5	FB	C-1	1326	developing cloud not available	
		C-1	1326	merged cloud	C 42
		C-1	1328	developing cloud not available	
		C-1	1328	merged cloud	C 43
10	FB	C-2	1326	developing cloud not available	
		C-2	1326	merged cloud	C 44
		C-2	1327	developing cloud not available	
		C-2	1327	merged cloud	C 45
6	AA	D-1	1326	developing cloud not available	
		D-1	1326	merged cloud	C 46
		D-1	1328	developing cloud not available	
		D-1	1328	merged cloud	C 47
		D-2	1326	developing cloud not available	
		D-2	1326	merged cloud	C 49
		D-2	1328	developing cloud not available	
		D-2	1328	merged cloud	C 50
		D-3	1326	developing cloud not available	
		D-3	1326	merged cloud	C 52
		D-3	1328	developing cloud not available	
		D-3	1328	merged cloud	C 53
		D-4	1326	developing cloud not available	
		D-4	1326	merged cloud	C 55
		D-4	1328	developing cloud not available	
		D-4	1328	merged cloud	C 56
11	FB	E-1	1326	developing cloud	C 58
		E-1	1326	merged cloud	C 59
		E-1	1328	developing cloud	C 60
		E-1	1328	merged cloud	C 62

TABLE III, CONT'D
DETAILED INDEX OF CLOUD GROWTH DATA

Date (Oct 1978)	Mission Code	Event (Test)	Camera Station	CLOUD GROWTH DATA	Page
11	FB	E-2	1326	developing cloud	C 63
		E-2	1326	merged cloud	C 64
		E-2	1328	developing cloud	C 65
		E-2	1328	merged cloud	C 66
		E-3	1326	developing cloud not available	
		E-3	1326	merged cloud	C 67
		E-3	1328	developing cloud not available	
		E-3	1328	merged cloud	C 68
		E-4	1326	developing cloud not available	
		E-4	1326	merged cloud	C 69
		E-4	1328	developing cloud not available	
		E-4	1328	merged cloud	C 70
14	AA	E-5		not available	
		E-6	1327	developing cloud not available	
		E-6	1327	merged cloud	C 71
		E-7	1327	developing cloud not available	
		E-7	1327	merged cloud	C 72
		E-8	1327	developing cloud	C 73
		E-8	1327	merged cloud	C 74
		E-9	1327	developing cloud	C 75
		E-9	1327	merged cloud	C 76
		E-10	1327	developing cloud	C 77
12	AB	F-1	1328	isolated burst	C 79
		F-2	1328	isolated burst	C 81
		F-3		not available	
		F-4	1326	isolated burst	C 83

TABLE III, CONT'D
DETAILED INDEX OF CLOUD GROWTH DATA

Date (Oct 1978)	Mission Code	Event (Test)	Camera Station	CLOUD GROWTH DATA	Page
13	FB	F-5		not available	
		F-6		not available	
		F-7		not available	
		F-8	1326	isolated burst	C 84

Note: data not available indicate one of the following conditions for each observing camera:

1. the event of interest was not shown on the photographic record;
2. the film was overexposed or underexposed and could not be measured;
3. timing could not be determined.

DIRT MISSION CODE AB
TEST A2, 2 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

PAGE C 2

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	7.8	9.8	11.9	-16.6	5.1
0.0	10.0	8.9	12.9	0.6	6.1
0.0	7.1	8.4	14.3	13.2	6.4
0.098	9.4	10.3	13.4	-16.4	6.6
0.098	11.2	10.9	15.4	-0.9	6.6
0.098	10.5	10.5	16.5	12.5	7.5
0.196	8.9	15.0	15.8	-17.1	7.9
0.196	10.8	12.6	16.9	-1.3	8.3
0.196	11.0	12.1	17.5	12.9	8.4
0.294	11.7	11.1	19.1	-17.1	9.8
0.294	9.8	13.4	18.3	-1.6	9.3
0.294	11.7	12.3	18.8	12.4	9.6
0.392	11.7	10.9	21.3	-17.3	12.8
0.392	12.1	11.8	20.3	-1.0	11.0
0.392	10.9	12.5	19.8	12.8	11.0
0.491	13.4	13.2	23.9	-17.1	15.5
0.491	11.8	15.9	21.0	-0.8	11.1
0.491	12.3	12.7	22.0	11.9	12.8
0.589	12.6	13.7	25.1	-17.8	14.8
0.589	13.6	13.3	21.7	-1.1	12.5
0.589	15.8	12.5	23.0	12.1	15.1
0.687	10.3	12.3	26.1	-18.0	17.2
0.687	12.3	14.2	21.8	-1.0	13.4
0.687	14.3	12.4	24.2	11.8	13.9
0.785	16.9	12.4	27.0	-18.2	18.5
0.785	12.8	14.2	23.1	-0.2	14.6
0.785	11.6	13.2	24.8	11.6	17.3
0.883	13.4	12.5	28.0	-17.8	20.0
0.883	12.4	13.2	23.3	0.1	16.3
0.883	10.8	14.3	25.5	12.9	19.4

DIRT MISSION CODE A8
TEST A2, 2 OCT 1978
CAMERA STATION 1328
MERGED CLOUD

PAGE C 3

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.982	40.1	44.6	26.3	-0.8	17.4	-23.2	17.0
5.890	62.0	50.3	43.2	-11.3	25.0	-27.4	34.6
10.798	62.9	52.7	52.7	-18.3	34.3	-34.0	28.9
15.707	70.6	53.6	59.2	-18.1	43.0	-43.3	27.3
20.615	73.6	55.0	65.7	-23.5	48.2	-48.6	25.0
25.523	68.1	59.3	68.8	-24.4	51.3	-56.8	11.3
30.431	66.8	63.2	73.0	-24.2	53.5	-62.3	4.6
35.340	69.1	65.3	75.0	-25.3	56.8	-67.4	1.7
40.248	71.2	72.6	76.1	-24.2	59.9	-72.8	-1.6
45.156	72.5	74.3	82.9	-23.9	65.1	-77.0	-4.5
50.065	71.4	79.5	85.0	-22.7	65.9	-80.9	-9.5
54.973	66.0	64.8	94.2	-24.4	64.8	-80.9	-14.9
59.881	70.6	71.1	95.4	-18.8	69.8	-89.3	-18.8
64.790	59.2	84.4	95.7	-16.8	68.7	-84.0	-24.8

DIRT MISSION CODE AB
 TEST A3, 2 OCT 1978
 CAMERA STATION 1326
 DEVELOPING CLOUD

PAGE C 4

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	9.3	8.3	8.1	-10.7	4.5
0.0	10.8	10.3	7.8	0.4	3.9
0.0	6.3	7.4	8.6	11.8	4.5

DIRT MISSION CODE AB
 TEST A3, 2 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.072	31.5	32.2	12.7	0.3	6.5	-16.2	15.3
3.676	55.1	44.7	43.4	16.9	30.5	-11.7	43.4
7.279	60.8	48.3	52.4	32.8	37.9	-8.3	52.4
10.883	62.3	48.4	55.8	49.2	42.4	-2.8	59.5
14.486	64.4	57.9	63.7	66.3	47.6	2.6	67.0
18.090	62.1	59.6	69.5	82.1	51.9	6.9	69.0
21.693	70.6	64.3	75.6	100.9	56.7	9.6	80.2
25.297	74.1	66.1	81.4	118.7	60.2	19.8	94.0
28.900	75.6	67.9	83.8	137.0	61.9	25.9	101.5
32.504	74.5	67.7	88.3	155.1	63.2	40.4	114.9
36.107	82.8	65.9	91.3	174.4	66.2	43.7	126.6
39.711	77.7	70.6	96.3	192.4	69.5	56.0	133.7
43.314	80.0	54.4	95.4	215.8	72.0	58.6	138.7

DIRT MISSION CODE AB
TEST A3, 2 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

PAGE C 6

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	6.0	5.8	7.1	-13.4	3.8
0.0	6.9	6.9	6.6	0.3	3.3
0.0	7.9	7.8	7.8	13.7	4.4
0.098	8.5	12.1	15.0	-13.7	7.1
0.098	10.3	13.1	15.3	0.8	7.1
0.098	8.3	13.9	18.3	14.5	9.6
0.196	8.6	12.2	16.8	-14.8	8.7
0.196	10.9	12.3	17.8	0.0	7.8
0.196	9.4	12.4	21.3	14.3	11.2
0.294	9.9	13.2	17.7	-14.7	9.9
0.294	11.4	12.3	18.6	0.0	8.2
0.294	9.8	12.8	23.1	13.8	14.4
0.392	11.8	14.6	19.9	-15.3	10.4
0.392	9.8	13.1	20.4	-0.3	10.7
0.392	14.0	14.9	24.6	13.4	14.5
0.491	10.7	14.4	22.4	-15.4	12.4
0.491	11.2	13.3	21.7	0.3	10.7
0.491	14.2	14.3	26.0	13.5	15.6
0.589	12.6	12.7	25.0	-16.5	16.2
0.589	10.5	10.8	21.9	-1.2	13.9
0.589	11.8	14.7	27.0	13.2	17.5
0.687	11.3	12.5	26.3	-16.3	16.5
0.687	8.9	10.6	22.3	-1.1	15.5
0.687	12.9	15.5	27.8	13.0	18.3
0.785	9.9	13.6	28.5	-16.9	17.5
0.785	10.4	10.4	23.2	-1.0	16.1
0.785	13.1	15.3	29.2	13.5	20.3
0.883	11.5	14.3	28.8	-16.9	17.9
0.883	11.3	12.5	25.4	0.0	16.6
0.883	13.8	16.1	29.7	14.2	19.8

DIRT MISSION CODE AB
 TEST A3, 2 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.979	37.1	46.0	29.5	-1.0	17.0	-17.3	19.8
5.874	50.0	67.6	56.8	-6.7	38.8	-17.3	32.7
10.768	47.7	78.7	70.5	-14.5	47.4	-24.3	23.4
15.663	49.7	83.6	85.2	-18.2	52.3	-31.2	18.5
20.558	51.5	85.5	89.0	-19.5	57.4	-36.5	15.0
25.452	53.8	84.7	93.4	-22.2	62.5	-45.4	8.4
30.347	55.5	86.6	98.2	-20.4	68.3	-49.4	6.1
35.242	59.0	83.8	97.8	-19.9	72.7	-57.3	1.7
40.136	64.3	86.7	104.3	-17.5	72.4	-65.7	-1.4
45.031	62.6	92.3	109.6	-13.1	77.3	-67.1	-4.5
49.926	65.3	101.6	112.7	-9.8	78.9	-75.0	-9.7
54.820	64.6	109.2	114.7	5.7	83.6	-78.7	-14.1
59.715	68.0	111.6	116.7	3.7	85.9	-89.3	-21.4
64.610	73.8	117.9	117.0	5.6	85.7	-93.8	-20.0
69.504	71.2	125.3	115.3	2.8	80.1	-96.4	-25.2
74.399	75.5	118.6	114.8	6.3	82.1	-107.1	-31.6
79.294	82.3	96.0	116.7	32.2	92.9	-117.5	-35.2

DIRT MISSION CODE AB
TEST A4, 2 OCT 1978
CAMERA STATION 1326
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M) Z (M)
0.0	7.8	8.0	14.1	-10.6 5.6
0.0	9.0	10.0	11.3	-1.7 5.8
0.0	7.7	7.5	13.6	9.6 6.1

DIRT MISSION CODE AB
TEST A4, 2 OCT 1978
CAMERA STATION 1326
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.144	33.1	35.1	15.7	-1.8	7.5	-17.2	15.9
3.737	48.7	47.4	43.4	12.0	22.5	-10.0	38.7
7.330	54.6	41.8	52.1	30.7	30.6	-8.7	45.9
10.923	59.1	50.7	60.0	50.5	47.0	-4.1	55.1
14.516	69.4	52.6	64.1	68.5	51.8	2.3	71.7
18.109	70.7	49.5	70.2	88.3	57.7	8.3	79.1
21.702	43.8	42.6	79.4	105.3	62.8	30.1	73.9
25.295	60.4	50.8	84.7	126.4	68.1	31.2	91.5
28.889	51.6	50.1	89.6	144.9	71.9	41.4	93.0
32.482	65.5	55.4	91.1	167.1	76.1	46.1	111.6
36.075	80.5	61.8	94.3	187.5	77.5	52.1	132.6

DIRT MISSION CODE AB
 TEST A4, 2 OCT 1978
 CAMERA STATION 1328
 DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M) Z (M)
0.0	7.6	10.6	13.5	-14.7 6.6
0.0	8.1	8.3	11.6	-0.7 6.0
0.0	9.9	9.1	13.1	14.4 7.2
0.098	10.8	14.2	16.6	-15.1 7.4
0.098	7.2	10.2	16.9	-0.5 7.4
0.098	10.3	10.3	17.5	13.6 8.4
0.196	11.8	14.8	18.5	-16.9 10.0
0.196	10.7	17.3	17.3	-1.0 10.4
0.196	7.4	12.5	19.6	13.3 9.5
0.294	6.5	14.9	19.2	-15.8 10.3
0.294	8.3	18.4	18.9	-0.8 9.8
0.294	8.4	12.0	19.3	13.3 10.6
0.392	6.2	14.3	20.2	-17.3 10.1
0.392	6.3	18.8	19.3	-4.0 9.1
0.392	9.5	11.9	20.9	12.8 10.0
0.490	7.1	13.2	23.0	-17.7 10.5
0.490	6.4	14.4	21.4	-2.4 11.5
0.490	8.2	12.2	22.9	12.2 11.5
0.588	8.4	14.6	23.6	-16.6 11.1
0.588	8.8	15.9	21.5	-2.7 11.4
0.588	11.0	12.4	24.7	11.6 12.7
0.686	10.1	14.3	25.8	-15.5 15.7
0.686	9.9	14.6	22.3	-3.0 12.3
0.686	13.6	11.6	26.4	12.8 16.6
0.784	10.6	15.2	26.9	-15.2 16.9
0.784	12.3	16.3	24.0	-3.1 14.5
0.784	13.4	14.3	27.2	13.1 18.4
0.882	10.8	14.4	28.8	-16.2 16.1
0.882	11.7	15.3	23.8	-3.7 13.3
0.882	18.7	16.2	28.6	11.8 17.3

DIRT MISSION CODE AB
 TEST A4, 2 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

PAGE C 11

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M) RT (M)
0.978	43.6	45.1	28.0	-2.1	14.7	-20.3 23.3
5.870	61.0	56.7	50.7	-7.5	33.8	-27.4 33.7
10.762	58.7	60.4	60.2	-18.4	42.6	-31.5 27.2
15.653	60.8	64.9	67.5	-22.0	49.3	-37.1 23.6
20.545	59.7	70.6	74.7	-26.9	58.0	-44.4 15.3
25.436	79.2	67.7	80.7	-26.2	60.9	-59.4 19.8
30.328	72.1	71.4	86.7	-28.4	63.3	-59.9 12.2
35.219	59.3	76.1	95.4	-20.5	74.3	-63.9 -4.6
40.111	58.1	77.2	100.1	-20.4	78.0	-65.9 -7.8
45.003	59.9	81.2	107.7	-15.7	78.9	-72.7 -12.8
49.894	66.5	59.7	115.1	-7.0	85.8	-81.7 -15.2
54.786	61.5	59.1	121.1	-2.6	91.1	-84.7 -23.2
59.677	71.7	78.1	123.8	6.5	96.2	-92.5 -20.8
64.569	63.1	89.2	127.4	20.3	101.8	-88.7 -25.6
69.461	62.2	89.1	130.5	29.7	102.1	-96.9 -34.8
74.352	64.2	99.2	133.9	39.1	105.1	-101.3 -37.1
79.244	62.0	109.3	130.9	45.6	102.8	-100.3 -38.3

DIRT MISSION CODE FB
TEST B1, 3 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	11.1	10.9	8.1	-15.3	4.3
0.0	7.8	7.6	7.0	-0.2	4.0
0.0	4.4	5.6	5.7	13.7	4.1
0.098	11.1	10.4	9.1	-14.3	5.9
0.098	7.7	9.3	7.8	-0.5	4.1
0.098	7.4	8.0	6.7	14.0	3.8
0.196	9.4	10.2	11.0	-14.6	7.1
0.196	10.7	11.0	14.2	0.1	6.6
0.196	10.3	12.0	11.8	14.8	6.2
0.294	7.8	12.9	12.1	-16.1	6.5
0.294	10.6	10.4	14.7	-0.3	7.4
0.294	9.5	8.9	14.1	14.2	6.9
0.392	10.5	11.8	13.4	-14.6	6.8
0.392	8.3	12.0	15.8	-0.4	8.2
0.392	9.7	14.3	14.1	14.7	8.0
0.490	10.5	10.0	15.8	-16.0	8.1
0.490	8.9	12.0	17.6	-0.2	9.4
0.490	10.9	15.0	17.9	14.2	10.0
0.588	10.9	12.2	19.1	-15.9	9.5
0.588	10.6	12.8	19.1	-0.9	10.6
0.588	10.5	14.3	20.3	11.9	10.9
0.686	11.2	14.8	16.7	-17.2	10.2
0.686	8.0	12.1	20.9	-0.7	11.4
0.686	10.6	14.9	20.3	13.5	11.6
0.784	11.6	13.1	18.0	-15.2	10.9
0.784	10.3	13.2	22.6	-0.8	13.0
0.784	10.0	16.2	23.3	12.8	13.1
0.882	8.3	11.0	19.8	-15.8	12.7
0.882	10.1	12.3	23.2	-1.2	14.4
0.882	10.4	16.2	23.5	14.1	13.2

DIRT MISSION CODE FB
 TEST 81, 3 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.980	42.8	45.9	25.2	-1.1	12.6	-22.7	20.1
5.980	56.3	51.1	45.8	-4.7	27.3	-21.8	34.5
10.781	57.8	49.0	56.5	-8.6	37.2	-29.4	28.3
15.681	52.3	53.3	66.9	-11.4	45.8	-27.5	24.8
20.581	55.4	52.5	74.3	-12.5	51.8	-38.1	17.3
25.482	51.2	65.1	82.5	-8.5	60.7	-39.6	11.6
30.382	49.8	71.6	87.6	-9.9	69.3	-43.1	6.7
35.283	54.3	75.0	93.6	-11.3	70.0	-50.0	4.3
40.183	57.8	83.8	104.1	-5.9	75.4	-55.3	2.4
45.083	57.5	95.8	106.5	-4.2	77.3	-59.3	-1.8
49.984	49.3	101.3	118.3	0.7	81.6	-55.2	-5.9
54.884	53.8	107.3	122.9	10.5	82.8	-63.4	-9.6
59.784	48.6	119.8	126.6	12.1	83.8	-65.6	-17.1
64.685	46.0	133.1	131.5	14.5	87.0	-67.1	-21.1
69.585	40.1	131.1	129.9	17.2	87.0	-70.6	-30.5
74.485	43.5	151.5	129.8	35.0	93.8	-76.7	-33.2
79.386	38.4	155.5	134.3	39.1	99.0	-83.6	-45.2
84.286	35.5	167.6	137.9	45.9	100.1	-82.0	-46.5
89.186	29.0	171.5	141.0	53.9	99.6	-78.6	-49.6
94.087	32.8	179.8	140.1	63.0	106.1	-86.3	-53.5

DIRT MISSION CODE FB
TEST B2, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.133	28.4	28.0	13.8	0.6	6.2	-12.7	15.7
1.801	50.7	35.9	33.2	-4.7	19.9	-24.6	26.1
3.469	61.5	41.8	40.4	-7.5	24.5	-30.7	30.9
5.137	65.7	40.4	48.0	-10.3	31.5	-36.5	29.2
6.805	75.2	42.5	54.2	-10.5	37.4	-41.4	33.8
8.473	72.2	42.8	54.1	-14.4	36.6	-44.0	28.2
10.141	72.1	44.6	62.8	-16.7	38.1	-48.4	23.7
11.809	68.6	40.4	58.7	-20.2	38.9	-52.6	16.0
13.477	73.4	40.7	58.4	-24.1	38.6	-57.8	15.7
15.145	74.1	47.9	57.5	-28.9	39.0	-61.3	12.9
16.813	75.0	50.5	61.3	-30.8	40.6	-64.3	10.7
18.481	80.0	46.8	58.8	-35.6	40.7	-71.1	8.9
20.149	81.9	50.3	62.6	-38.9	41.6	-73.4	8.4
21.817	85.9	50.6	62.0	-42.9	41.9	-77.6	8.3
23.485	88.4	51.9	60.7	-46.4	44.0	-81.4	7.1
25.152	87.5	51.2	63.4	-49.8	44.0	-83.9	3.6
26.820	95.9	53.1	65.0	-54.1	45.2	-89.3	6.6
28.488	98.4	54.0	65.1	-57.7	45.7	-93.3	5.1
30.156	99.5	53.8	64.8	-61.6	43.1	-95.7	3.8
31.824	103.7	55.6	66.4	-65.5	46.4	-100.9	2.8
33.492	104.5	54.7	68.4	-70.4	48.4	-105.6	-1.1
35.160	109.9	56.9	70.9	-74.1	48.2	-110.6	-0.7
36.828	111.8	57.7	71.8	-76.3	49.4	-111.8	0.0
38.496	110.9	58.6	74.5	-81.6	49.0	-114.8	-3.9
40.164	114.1	59.6	75.3	-85.4	49.5	-116.7	-2.6
41.832	120.3	58.9	74.9	-90.2	50.4	-126.7	-6.4
43.500	123.5	61.9	78.0	-93.9	50.0	-129.8	-6.3
45.168	121.4	65.1	78.7	-97.5	53.4	-130.3	-8.8
46.836	128.1	62.6	79.7	-100.9	52.5	-136.4	-8.3
48.504	125.3	65.4	78.4	-103.6	54.8	-137.2	-11.9
50.172	138.0	70.9	79.8	-109.4	51.7	-148.2	-10.2

DIRT MISSION CODE FB
TEST R2, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
51.839	129.4	70.8	81.2	-113.9	53.4	-144.5	-15.1
53.507	128.5	68.1	80.8	-117.2	51.9	-141.9	-13.4

DIRT MISSION CODE FB
TEST B2, 3 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M) Z (M)
0.0	12.8	7.0	7.3	-14.7 3.5
0.0	5.7	6.2	6.5	-0.9 3.2
0.0	6.1	6.9	9.4	12.8 3.8
0.098	8.2	7.9	12.1	-17.0 6.7
0.098	7.1	9.0	12.8	-1.9 8.9
0.098	9.8	8.4	14.2	13.7 8.9
0.196	9.1	11.3	15.0	-16.1 8.9
0.196	8.4	9.1	15.2	-2.4 8.9
0.196	8.0	9.7	17.3	13.8 10.9
0.294	8.0	9.0	17.1	-16.6 12.5
0.294	11.2	10.7	17.2	-1.3 11.7
0.294	9.1	9.2	19.0	13.6 12.2
0.392	9.6	11.2	17.9	-16.2 11.3
0.392	11.8	10.3	18.5	-1.9 12.3
0.392	10.8	8.4	20.5	13.4 14.2
0.490	10.2	9.8	19.3	-16.9 13.7
0.490	8.2	8.2	20.3	-2.2 14.6
0.490	8.2	10.0	23.3	13.8 15.1
0.588	9.9	10.7	20.4	-16.7 14.0
0.588	9.8	10.1	21.1	-2.3 14.6
0.588	9.1	10.3	24.6	13.7 14.4
0.686	8.0	11.7	22.7	-17.1 15.8
0.686	8.7	10.4	21.8	-1.5 15.8
0.686	7.6	10.4	25.6	14.0 17.3
0.784	8.4	12.3	23.3	-17.9 16.1
0.784	9.6	10.4	22.4	-3.0 16.0
0.784	6.6	11.3	26.9	12.8 16.9
0.883	11.3	13.0	24.7	-18.3 16.0
0.883	8.2	9.8	23.4	-2.5 16.6
0.883	7.5	10.1	28.7	13.0 17.1
0.981	6.3	12.2	24.9	-17.8 17.4

DIRT MISSION CODE FB
 TEST R2, 3 OCT 1978
 CAMERA STATION 1328
 DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID	
				X (M)	Z (M)
0.981	11.2	9.6	24.3	-2.1	17.3
0.981	5.9	12.1	29.8	14.3	17.4
1.079	4.0	11.3	25.2	-17.9	16.9
1.079	5.0	9.8	24.4	-2.3	18.0
1.079	5.7	10.8	30.2	13.0	18.0
1.177	6.8	11.9	27.1	-18.0	17.6
1.177	7.4	10.7	26.1	-2.3	18.8
1.177	6.1	10.7	31.1	13.1	18.8
1.275	6.2	13.1	28.8	-18.5	18.6
1.275	5.6	11.3	26.1	-2.2	19.1
1.275	6.1	12.3	31.2	13.2	19.2
1.373	5.5	15.5	28.2	-18.3	18.3
1.373	10.8	11.7	26.3	-3.1	18.8
1.373	7.9	12.2	32.0	12.7	19.5
1.471	9.4	14.0	29.4	-19.1	18.9
1.471	6.1	13.3	27.1	-2.8	19.4
1.471	7.1	13.4	32.8	12.1	19.6
1.569	7.3	15.8	30.4	-18.7	18.3
1.569	9.5	14.0	28.2	-3.6	20.6
1.569	5.9	14.8	34.1	12.8	19.5
1.667	7.5	18.3	30.2	-19.0	19.3
1.667	8.3	12.8	28.8	-3.0	20.3
1.667	6.5	14.3	33.6	12.9	20.3
1.765	7.7	16.5	29.9	-18.8	19.5
1.765	10.8	13.6	29.4	-3.1	18.9
1.765	10.3	15.7	34.1	12.8	20.3
1.863	10.3	17.3	32.1	-19.2	20.4
1.863	10.7	13.3	29.9	-3.1	21.8
1.863	6.6	15.8	34.4	13.4	20.7

DIRT MISSION CODE FB
 TEST 82, 3 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	LEFT (M)	RT (M)
1.957	38.6	47.6	34.6	-3.3	18.3	-23.2	15.5
6.851	64.8	60.8	50.3	-8.1	30.8	-30.3	34.5
11.744	64.9	67.5	62.3	-14.3	39.4	-38.8	26.1
16.638	57.9	76.7	71.4	-16.0	39.7	-47.3	10.6
21.531	62.5	80.3	78.0	-21.1	44.9	-56.1	6.5
26.425	67.3	86.9	84.5	-20.2	43.7	-63.3	4.0
31.318	73.4	93.8	89.4	-25.7	47.3	-70.0	3.4
36.212	76.0	96.8	95.2	-27.1	51.2	-77.6	-1.6
41.105	79.1	103.5	99.2	-35.9	48.7	-81.5	-2.3
45.999	87.5	109.7	101.2	-34.8	51.6	-95.7	-8.3
50.892	90.3	113.4	104.2	-47.2	49.5	-102.8	-12.6
55.786	95.9	119.0	107.3	-23.1	57.7	-114.3	-18.4
60.679	104.5	125.2	111.3	-31.6	56.3	-127.5	-23.0
65.573	97.9	132.7	114.7	-29.6	57.9	-126.2	-28.3
70.466	102.2	144.0	117.8	-36.9	55.6	-132.2	-30.0
75.359	98.5	151.7	121.9	-27.1	61.3	-136.2	-37.7

DIRT MISSION CODE FB
TEST R3, 3 OCT 1978
CAMERA STATION 1327
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	7.9	8.7	10.0	-9.5	5.3
0.0	7.4	8.8	10.6	0.0	5.2
0.0	9.3	10.3	9.7	9.4	4.4
0.033	8.7	8.6	12.1	-11.4	7.7
0.033	8.4	10.1	11.0	0.0	7.1
0.033	9.7	12.1	12.5	9.7	5.1
0.067	7.2	12.6	13.8	-11.5	9.3
0.067	6.2	11.4	13.0	-1.4	8.3
0.067	9.4	12.1	11.7	8.9	6.3

DIRT MISSION CODE FB
TEST R3, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.100	30.7	33.8	15.7	-1.5	9.3	-14.5	16.2
1.767	34.1	36.6	38.9	-3.1	24.6	-19.3	14.8
3.433	39.9	30.6	48.0	-5.5	33.1	-23.1	16.7
5.100	35.5	27.8	52.5	-7.8	36.5	-25.0	10.5
6.766	55.9	29.3	58.4	-10.7	41.5	-24.5	31.5
8.433	57.8	30.8	63.4	-13.0	45.0	-27.6	30.2
10.099	60.3	31.1	68.7	-16.8	52.4	-31.2	29.1
11.766	62.0	49.9	79.3	-24.0	59.3	-34.8	27.2
13.432	62.4	50.3	83.1	-28.2	62.8	-37.5	24.9
15.099	50.4	51.1	86.8	-31.6	64.7	-39.1	11.3
16.765	50.9	52.2	90.1	-36.2	68.3	-41.1	9.8
18.432	52.9	56.2	95.2	-40.5	71.4	-43.8	9.1
20.098	55.8	59.7	98.3	-44.5	75.3	-46.8	9.0
21.765	57.3	57.6	100.9	-48.0	76.5	-51.3	6.0
23.431	57.5	54.5	103.7	-49.5	78.3	-51.6	5.9
25.098	55.5	57.4	108.6	-54.5	80.3	-52.8	2.7
26.764	59.2	65.5	112.1	-60.8	83.4	-56.7	2.5
28.431	59.9	69.1	115.4	-65.6	84.1	-58.4	1.5
30.097	61.3	70.1	117.3	-70.8	86.6	-61.2	0.1
31.764	61.7	74.5	119.1	-76.8	94.4	-62.1	-0.4
33.430	62.4	81.0	120.3	-81.9	96.9	-63.5	-1.1
35.097	65.0	76.4	123.2	-89.8	100.9	-65.2	-0.2
36.764	55.4	79.1	126.2	-93.7	103.2	-59.1	-3.7
38.430	66.8	79.3	126.7	-105.1	108.0	-67.9	-1.2
40.097	70.1	80.7	128.8	-111.6	108.5	-71.7	-1.6
41.763	63.3	75.0	131.6	-118.4	110.5	-63.6	-0.3
43.430	70.9	84.8	131.4	-122.3	112.7	-70.9	0.0
45.096	77.3	82.3	134.2	-130.7	113.4	-77.9	-0.6
46.763	78.8	85.3	133.3	-137.2	113.9	-78.8	0.0
48.429	53.7	62.5	131.8	-148.3	113.4	-66.7	-13.0
50.096	66.2	57.0	134.8	-163.1	118.0	-82.4	-16.2

DIRT MISSION CODE FB
TEST R3, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M) RT (M)
51.762	69.7	59.2	136.9	-172.7	118.3	-88.7 -19.1
53.429	66.3	58.1	137.7	-180.0	119.7	-86.2 -19.9
55.095	66.2	50.7	138.0	-189.1	121.3	-87.1 -20.9
56.762	69.4	48.1	139.1	-194.8	119.1	-85.8 -16.5
58.428	68.5	49.4	138.4	-202.1	120.0	-84.7 -16.2
60.095	67.7	38.4	143.0	-211.5	120.5	-85.1 -17.3
61.761	66.3	44.0	137.2	-214.8	120.6	-85.1 -18.8

DIRT MISSION CODE FB
TEST B3, 3 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

PAGE C 22

TIME (SEC)	STEP WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	4.3	9.6	10.6	-14.7	5.6
0.0	8.9	11.6	11.2	0.1	4.6
0.0	9.9	10.7	11.7	14.2	3.8
0.098	6.5	12.6	14.3	-14.4	9.7
0.098	10.0	15.4	13.1	-0.2	6.4
0.098	5.8	8.8	13.2	14.3	6.2
0.196	10.0	17.4	17.8	-15.0	10.2
0.196	10.6	13.7	16.3	-0.9	8.4
0.196	12.4	14.3	16.3	11.3	8.1
0.294	9.1	16.9	20.7	-15.4	11.3
0.294	9.2	15.7	17.8	-1.8	8.5
0.294	10.4	16.7	18.8	13.4	8.7
0.392	9.7	16.7	23.4	-15.6	12.8
0.392	9.6	16.0	20.3	-1.2	10.0
0.392	11.8	17.9	20.0	12.8	9.8
0.490	11.3	17.8	24.5	-15.1	12.3
0.490	8.6	17.3	22.2	-1.5	11.4
0.490	13.1	17.5	21.0	12.8	9.8
0.588	11.5	18.6	26.1	-15.6	14.3
0.588	11.3	16.6	23.8	-0.8	13.2
0.588	11.8	17.5	23.0	12.4	11.0
0.686	13.1	18.0	27.2	-16.2	17.5
0.686	11.8	15.0	25.8	-1.5	16.1
0.686	11.7	16.2	24.8	12.8	14.6
0.784	14.7	17.5	28.9	-16.2	19.2
0.784	12.0	16.7	27.1	-1.7	16.8
0.784	11.4	18.3	26.0	12.4	14.9
0.883	15.1	18.8	30.2	-16.4	21.1
0.883	11.5	16.9	29.0	-0.1	19.2
0.883	12.2	16.8	27.4	11.9	17.9

DIRT MISSION CODE F9
 TEST R3, 3 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.979	39.9	44.0	30.7	-2.5	16.4	-20.9	19.0
5.872	69.6	52.3	49.4	-8.7	34.9	-30.8	38.8
10.764	66.0	62.8	76.1	-21.8	53.7	-52.9	13.1
15.657	60.3	63.5	80.8	-29.3	65.1	-54.0	6.3
20.550	59.7	70.0	94.4	-35.3	72.2	-57.5	2.3
25.443	65.0	76.4	98.7	-38.9	79.8	-68.4	-3.5
30.336	69.8	81.0	110.3	-44.7	80.4	-75.7	-5.9
35.229	75.8	73.7	114.3	-48.3	85.7	-87.8	-12.0
40.122	84.8	79.1	121.1	-50.5	90.4	-102.8	-18.1
45.015	85.2	84.1	123.4	-50.6	92.3	-108.8	-23.6
49.908	100.5	81.5	129.7	-54.0	92.7	-123.7	-23.2
54.801	84.8	81.4	127.0	-58.0	97.6	-121.4	-36.6
59.694	99.7	88.2	124.2	-60.3	92.4	-144.1	-44.4
64.587	98.4	67.5	131.9	-37.5	113.7	-142.5	-44.1
69.480	92.3	78.0	136.9	-32.1	114.7	-141.7	-49.4
74.373	87.6	73.7	150.2	-26.5	117.9	-168.5	-80.9
79.266	92.0	82.5	139.2	-26.2	114.2	-182.3	-90.4
84.159	94.7	80.5	140.8	-24.5	113.1	-193.1	-98.4
89.052	94.8	84.4	136.9	-20.4	110.7	-180.8	-86.1
93.945	118.1	79.0	133.8	-25.9	108.1	-202.7	-84.6

DIRT MISSION CODE FB
TEST 84, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	25.5	28.2	9.0	0.6	4.2	-12.8	12.7
1.668	27.1	31.8	33.4	-0.5	19.0	-13.5	13.5
3.336	29.5	37.3	41.5	-2.3	24.5	-16.4	13.2
5.004	28.9	37.3	50.1	-4.5	30.1	-17.3	11.6
6.673	52.0	40.8	57.1	-8.9	42.3	-23.4	28.5
8.341	49.4	45.7	62.0	-11.8	47.3	-26.9	22.5
10.009	56.6	47.5	66.4	-15.2	51.8	-29.6	27.0
11.677	59.5	49.8	67.6	-18.5	51.7	-32.5	27.0
13.345	68.7	51.3	75.0	-22.5	54.8	-41.5	27.2
15.013	66.9	53.8	79.5	-25.1	58.6	-41.0	25.8
16.681	73.3	57.0	83.9	-27.9	62.2	-49.4	23.8
18.350	76.6	57.7	90.5	-30.0	64.6	-52.0	24.7
20.018	82.5	59.7	96.8	-32.9	68.7	-61.6	20.9
21.686	76.8	62.3	98.2	-38.6	72.6	-56.4	20.4
23.354	83.8	63.8	104.3	-40.7	78.0	-66.0	17.8
25.022	91.4	68.0	109.4	-43.6	79.1	-70.0	21.5
26.690	91.4	71.4	112.7	-48.8	81.5	-75.9	15.5
28.359	88.4	64.8	115.3	-51.9	85.6	-75.5	13.0
30.027	83.5	67.2	116.7	-57.9	91.8	-71.2	12.3
31.695	91.0	69.7	120.5	-60.3	93.6	-83.3	7.6
33.363	98.1	74.3	122.8	-65.9	96.8	-84.2	13.9
35.031	101.7	79.9	126.4	-67.9	99.1	-92.0	9.7
36.699	96.9	83.0	128.8	-73.7	102.5	-85.8	11.0
38.367	99.2	88.7	131.8	-79.0	104.1	-88.7	10.5
40.036	102.9	85.5	133.3	-82.7	104.9	-94.7	8.1
41.704	100.4	92.6	136.1	-89.9	110.5	-90.4	10.1
43.372	102.2	96.2	141.8	-95.3	114.0	-95.5	6.7
45.040	104.9	100.5	141.9	-99.7	114.6	-103.5	1.4
46.708	105.1	103.8	144.7	-103.7	114.7	-104.9	0.2
48.376	109.0	104.0	147.9	-109.3	117.0	-106.9	2.0
50.044	110.7	102.7	151.8	-111.4	120.0	-115.3	-4.5

DIRT MISSION CODE FB
 TEST R4, 3 OCT 1978
 CAMERA STATION 1327
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
51.713	112.4	107.3	154.1	-119.1	121.1	-118.3	-5.8
53.381	117.1	108.6	153.9	-123.0	121.5	-123.7	-6.6
55.049	124.3	91.9	158.3	-129.4	126.0	-127.4	-3.1
56.717	103.5	103.8	158.4	-133.4	126.5	-110.6	-7.1
58.385	108.6	102.9	154.7	-138.2	125.3	-114.1	-5.5
60.053	112.1	103.3	162.8	-148.1	128.7	-120.2	-8.1
61.721	104.0	106.9	164.8	-151.7	127.3	-108.2	-4.2
63.390	113.7	106.8	165.0	-152.2	124.3	-122.8	-9.1
65.058	118.6	114.2	169.1	-153.3	123.8	-127.5	-8.9
66.726	106.3	115.9	165.8	-158.1	126.5	-118.6	-12.4
68.394	114.9	121.6	167.8	-165.4	129.5	-124.7	-9.9
70.062	109.9	123.8	175.5	-172.9	137.0	-126.6	-16.6
71.730	114.5	116.2	173.1	-175.1	133.6	-115.3	-0.8
73.398	102.9	115.6	174.3	-175.5	133.6	-119.7	-16.8
75.067	97.1	91.8	178.0	-191.4	142.2	-114.9	-17.8
76.735	100.5	100.5	180.6	-198.1	142.7	-123.0	-22.5

DIRT MISSION CODE FB
TEST B4, 3 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID	
				X (M)	Z (M)
0.0	C1	7.9	11.3	-16.3	6.0
0.0	C2	8.4	12.9	-1.6	6.3
0.0	C3	9.9	10.0	12.6	5.4
0.098	C1	8.4	12.8	-17.4	6.1
0.098	C2	8.6	16.4	-2.4	7.3
0.098	C3	12.2	17.0	12.7	5.8
0.196	C1	8.5	15.5	-18.3	8.6
0.196	C2	9.4	17.7	-3.2	7.8
0.196	C3	8.8	17.3	12.1	7.6
0.294	C1	9.8	17.0	-17.8	8.7
0.294	C2	12.8	19.5	-2.1	9.8
0.294	C3	13.2	20.8	10.9	9.7
0.392	C1	10.5	17.7	-17.6	9.7
0.392	C2	11.5	21.5	-2.4	10.1
0.392	C3	10.0	19.3	11.2	10.2
0.490	C1	11.0	19.1	-18.8	10.6
0.490	C2	12.2	22.8	-3.4	11.1
0.490	C3	10.9	20.3	10.4	11.3
0.588	C1	13.3	21.0	-19.5	10.9
0.588	C2	12.7	23.8	-3.2	12.4
0.588	C3	17.4	21.8	9.4	13.0
0.686	C1	13.5	21.4	-19.5	11.9
0.686	C2	14.2	25.7	-4.3	13.6
0.686	C3	15.3	22.2	9.3	11.3
0.784	C1	11.2	22.5	-18.5	12.1
0.784	C2	13.4	27.7	-4.5	14.6
0.784	C3	16.4	23.3	8.3	12.6
0.882	C1	15.4	23.6	-17.6	12.9
0.882	C2	14.2	28.5	-4.2	14.9
0.882	C3	14.2	24.1	8.6	13.1

DIRT MISSION CODE FB
 TEST 84, 3 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.978	36.0	53.9	28.8	-2.4	14.5	-17.1	18.9
5.869	58.3	52.7	54.9	-8.8	33.6	-21.9	36.4
10.759	64.4	54.8	65.4	-13.8	42.2	-34.2	30.2
15.649	55.7	59.2	74.5	-16.4	53.5	-43.5	12.2
20.540	61.2	53.1	82.8	-26.7	66.4	-54.9	6.3
25.430	58.3	59.0	92.2	-33.1	77.3	-67.1	1.2
30.321	76.1	70.1	116.1	-44.6	90.6	-75.5	0.7
35.211	76.3	59.9	124.0	-42.3	94.5	-81.8	-5.5
40.102	78.4	68.1	127.9	-46.0	103.0	-89.3	-11.0
44.992	73.3	80.6	136.5	-47.1	105.0	-92.9	-19.6
49.883	86.2	79.7	142.0	-47.0	110.0	-110.5	-24.4
54.773	79.9	85.6	153.3	-45.6	115.8	-118.2	-38.3
59.663	83.5	98.9	163.3	-45.1	120.5	-115.9	-32.3
64.554	70.3	69.3	150.6	-34.8	126.9	-124.2	-53.9
69.444	71.2	58.3	162.8	-31.0	132.2	-132.8	-61.7
74.335	82.1	48.4	162.5	-29.2	134.8	-142.2	-60.1

DIRT MISSION CODE FB
TEST B5, 3 OCT 1978
CAMERA STATION 1327
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	9.0	9.2	9.3	-12.3	4.8
0.0	8.7	9.2	12.7	0.1	5.0
0.0	8.9	10.0	10.5	9.2	4.3
0.033	9.5	10.4	13.0	-12.0	6.5
0.033	9.5	12.6	13.4	-0.4	6.9
0.033	8.0	12.4	13.0	11.1	7.4
0.067	10.4	13.1	14.9	-12.3	7.1
0.067	10.7	12.3	14.8	0.1	7.5
0.067	9.0	12.2	15.0	12.3	8.5

DIRT MISSION CODE FB
TEST 85, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.100	32.2	37.8	16.4	-0.2	8.0	-16.7	15.5
1.767	40.7	43.9	49.4	-2.9	23.0	-24.6	16.2
3.434	37.1	53.5	59.3	-5.4	38.2	-23.5	13.5
5.101	60.7	58.6	66.5	-5.9	45.0	-23.4	37.3
6.768	61.4	57.6	71.3	-7.3	50.4	-25.0	36.5
8.434	65.0	55.2	75.2	-8.4	54.2	-29.1	35.9
10.101	69.1	55.3	80.0	-8.0	57.1	-32.4	36.7
11.768	70.8	54.9	88.5	-10.8	61.0	-34.5	36.4
13.435	72.1	52.9	96.1	-14.1	66.4	-36.5	35.6
15.102	72.8	49.8	97.9	-16.7	69.3	-38.4	34.4
16.769	77.4	50.5	102.9	-19.1	73.2	-42.8	34.6
18.436	76.1	50.6	106.8	-22.4	78.7	-43.5	32.5
20.103	69.4	53.6	112.4	-26.3	79.8	-44.8	24.6
21.770	69.1	50.0	116.6	-29.3	90.7	-44.6	24.5
23.436	76.6	49.1	137.2	-35.0	97.5	-52.8	23.8
25.103	79.3	52.2	143.4	-37.3	100.8	-53.6	25.6
26.770	82.4	52.8	149.1	-39.8	105.1	-58.4	24.1
28.437	70.3	81.9	143.7	-44.7	110.1	-44.1	26.1
30.104	89.8	87.2	148.6	-49.9	115.3	-65.1	24.7
31.771	88.8	80.7	152.3	-53.7	114.4	-64.1	24.8
33.438	92.4	83.3	155.9	-57.8	119.6	-66.9	25.5
35.105	98.6	85.2	165.5	-66.4	122.5	-73.0	25.6
36.772	102.5	84.6	154.9	-77.1	133.5	-79.4	23.1
38.438	91.0	88.3	154.7	-79.7	130.1	-67.3	23.7
40.105	87.8	87.5	161.3	-82.4	133.0	-65.3	22.5
41.772	85.4	93.1	161.8	-88.6	132.7	-62.8	22.5
43.439	92.3	91.0	159.3	-89.8	135.4	-70.2	22.2
45.106	89.1	88.8	155.7	-98.1	132.7	-66.6	22.5
46.773	93.2	90.1	155.2	-100.6	138.4	-67.2	26.0
48.440	86.7	95.0	157.7	-105.8	139.0	-67.4	19.4
50.107	96.9	92.7	157.2	-113.0	138.1	-78.7	18.2

DIRT MISSION CODE FB
 TEST 85, 3 OCT 1978
 CAMERA STATION 1327
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
51.774	95.3	87.9	173.2	-129.2	145.5	-77.5	17.8
53.440	96.8	86.3	179.2	-136.3	144.4	-79.4	17.3
55.107	92.8	81.1	173.4	-137.8	142.7	-75.6	17.2
56.774	96.7	97.4	189.9	-133.9	152.6	-82.6	14.0
58.441	83.7	98.3	199.8	-140.8	149.1	-69.2	14.5
60.108	87.0	80.8	202.6	-143.5	158.1	-79.8	7.2
61.775	84.6	96.6	203.1	-146.6	161.2	-73.3	11.3
63.442	113.3	98.4	200.5	-155.9	165.5	-106.3	7.1
65.109	116.0	97.5	205.7	-161.4	167.5	-107.2	8.8

DIRT MISSION CODE FB
TEST 85, 3 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	6.7	9.8	9.8	-13.5	4.3
0.0	7.1	10.1	12.7	-0.6	4.7
0.0	9.0	10.5	10.8	14.7	4.7
0.098	6.8	16.4	16.5	-14.1	9.0
0.098	10.4	15.8	15.1	-0.1	8.1
0.098	10.5	14.9	16.1	14.2	8.4
0.196	6.9	18.6	20.4	-14.4	11.1
0.196	8.6	14.7	16.0	-0.6	8.5
0.196	11.3	18.1	18.7	14.8	9.5
0.294	9.3	20.5	24.2	-15.0	13.2
0.294	10.4	19.6	19.2	0.3	10.5
0.294	10.2	18.0	20.9	13.7	10.9
0.392	9.3	21.6	27.0	-15.1	14.9
0.392	11.9	19.3	21.7	-0.8	12.6
0.392	10.4	19.9	22.7	12.8	13.0
0.490	10.9	20.5	29.8	-14.8	15.9
0.490	11.8	17.0	23.7	-0.4	13.5
0.490	10.7	20.6	24.8	12.9	15.0
0.588	10.4	23.3	32.2	-14.7	17.7
0.588	10.7	18.9	27.2	1.2	16.0
0.588	11.2	19.1	26.5	12.3	15.5
0.686	11.8	22.4	34.0	-13.5	19.3
0.686	12.8	19.1	27.8	-0.4	15.8
0.686	11.3	20.8	27.6	11.0	15.2
0.784	15.6	22.0	37.5	-13.1	19.1
0.784	15.9	20.3	29.1	-0.1	15.5
0.784	14.5	21.8	29.7	10.7	16.8
0.882	15.1	20.9	36.9	-13.3	22.0
0.882	14.7	20.3	31.4	-0.2	16.5
0.882	14.8	23.2	30.4	10.0	16.9

DIRT MISSION CODE FB
 TEST R5, 3 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.978	40.6	52.3	32.8	0.1	14.8	-22.2	18.4
5.867	72.2	55.4	65.5	-3.9	41.9	-28.2	44.0
10.756	79.8	66.7	77.3	-5.9	56.2	-35.1	44.7
15.645	86.3	51.6	90.5	4.9	68.2	-41.7	44.6
20.534	90.0	59.1	113.9	6.0	80.9	-44.5	45.5
25.423	99.6	50.7	130.1	6.9	95.8	-50.6	48.9
30.312	85.2	61.0	143.5	10.9	106.1	-55.8	29.4
35.201	82.1	68.3	147.8	11.6	111.3	-58.4	23.7
40.090	85.1	60.2	157.5	1.9	131.6	-62.0	23.2
44.979	99.3	71.2	142.1	-0.5	128.0	-61.5	37.8
49.868	95.9	67.9	159.6	-19.5	135.8	-51.1	44.8
54.757	87.8	82.1	170.0	-38.7	141.3	-58.5	29.3
59.646	78.4	87.5	160.2	-44.6	139.8	-57.8	20.5
64.535	74.3	84.1	167.3	-41.3	144.2	-52.3	22.0
69.424	78.1	84.2	164.4	-37.9	147.0	-57.6	20.5
74.313	74.4	76.8	163.4	-43.4	146.7	-54.6	19.9
79.202	93.1	69.1	165.0	-43.5	146.1	-71.2	21.9
84.091	93.7	71.4	161.5	-42.9	145.0	-72.7	21.0

DIRT MISSION CODE F8
 TEST R6, 3 OCT 1978
 CAMERA STATION 1327
 DEVELOPING CLOUD

PAGE C 33

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID	
				X (M)	Z (M)
0.0	C1	13.6	8.2	-7.9	3.9
0.0	C2	7.9	7.7	0.3	3.8
0.0	C3	8.0	8.2	9.0	4.1

DIRT MISSION CODE FB
TEST 86, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

PAGE C 34

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.033	23.7	29.0	12.2	0.6	6.6	-11.3	12.4
1.699	41.5	36.5	41.9	-3.7	25.2	-27.3	14.2
3.364	34.3	45.0	51.1	-7.9	33.6	-26.0	8.2
5.030	39.1	44.0	59.4	-13.0	40.0	-29.7	9.4
6.695	50.9	46.9	66.7	-18.0	47.6	-34.8	16.1
8.361	54.3	47.5	73.0	-23.3	50.3	-38.8	15.5
10.026	50.6	47.4	77.3	-27.2	54.5	-38.9	11.7
11.692	62.1	48.5	83.2	-31.0	58.2	-49.9	12.2
13.357	62.8	47.3	87.9	-34.7	62.0	-53.9	8.9
15.023	68.1	49.4	93.9	-38.3	66.9	-58.3	9.9
16.688	75.8	49.0	97.7	-41.7	72.1	-68.6	7.2
18.354	71.6	47.0	106.5	-44.7	74.7	-64.7	6.9
20.019	68.5	50.7	109.8	-48.1	77.4	-66.5	2.0
21.685	72.9	56.4	113.3	-50.1	89.2	-73.8	-1.0
23.350	80.0	58.1	114.2	-50.9	91.4	-79.4	0.7
25.015	74.5	55.3	119.1	-53.4	98.4	-80.3	-5.8
26.681	81.2	55.5	122.0	-57.6	95.0	-86.6	-5.4
28.346	81.9	61.0	127.0	-60.5	100.4	-90.7	-8.8
30.012	86.2	56.9	130.0	-61.3	104.7	-95.2	-9.0
31.677	93.6	57.5	137.7	-62.6	109.8	-98.2	-4.6
33.343	84.6	59.9	140.9	-63.6	113.4	-103.0	-18.4
35.008	90.6	62.0	147.1	-66.2	114.9	-107.8	-17.2
36.674	90.3	62.5	149.0	-66.7	117.8	-111.7	-21.4
38.339	91.9	63.7	155.4	-68.1	122.2	-112.6	-20.7
40.005	101.2	62.2	159.9	-69.9	129.0	-116.7	-15.5
41.670	110.7	67.9	167.1	-71.9	136.5	-121.4	-10.7
43.336	95.9	73.2	177.8	-71.8	140.2	-122.2	-26.3
45.001	94.2	72.5	185.2	-76.1	133.9	-124.0	-29.8
46.667	110.3	72.8	184.2	-76.2	142.2	-137.8	-27.5
48.332	109.3	73.9	182.9	-79.0	143.6	-142.8	-33.6
49.998	124.8	80.8	186.9	-85.2	139.9	-146.3	-21.5

DIRT MISSION CODE FB
TEST 86, 3 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
51.663	107.7	83.8	189.4	-88.4	140.3	-142.2	-34.5
53.329	116.1	82.8	193.2	-92.4	144.6	-149.0	-32.9
54.994	105.3	87.1	198.0	-92.6	140.3	-154.8	-49.5
56.660	92.8	88.1	199.4	-94.8	142.2	-146.9	-54.1
58.325	115.6	82.0	208.9	-98.3	151.1	-160.3	-44.6

DIRT MISSION CODE FB
TEST 86, 3 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	2.3	12.3	15.8	-13.2	7.9
0.0	10.6	12.7	15.1	1.2	7.3
0.0	5.9	11.0	17.4	16.2	7.9
0.098	9.0	17.0	19.0	-13.6	11.1
0.098	7.0	15.8	21.1	0.4	11.3
0.098	7.7	16.3	20.1	16.0	9.8
0.196	8.7	17.7	20.9	-14.6	11.5
0.196	13.3	20.5	23.3	0.1	10.4
0.196	9.1	17.0	20.1	16.3	9.7
0.294	12.0	20.0	22.5	-15.3	14.0
0.294	14.3	25.1	25.0	1.0	10.9
0.294	11.0	18.9	22.4	15.6	10.7
0.392	13.3	20.0	26.2	-16.1	13.6
0.392	11.6	24.8	27.5	-0.1	11.7
0.392	10.5	18.8	24.8	16.0	12.7
0.489	12.5	20.3	28.2	-15.6	14.8
0.489	12.9	23.9	29.2	0.1	13.0
0.489	11.4	20.2	27.7	15.4	13.2
0.587	12.8	21.4	29.2	-15.9	15.8
0.587	12.6	22.2	29.9	1.6	12.1
0.587	11.3	19.6	28.8	14.9	13.0
0.685	13.3	23.2	30.8	-15.9	15.6
0.685	13.7	20.9	31.4	0.8	13.2
0.685	11.0	16.2	30.6	14.8	13.8
0.783	15.8	23.2	31.1	-14.6	15.8
0.783	14.7	20.6	33.4	0.0	15.6
0.783	12.1	20.4	32.3	15.2	14.3
0.881	15.3	25.2	32.0	-14.5	15.7
0.881	14.4	21.3	34.1	1.0	15.6
0.881	14.1	18.9	32.9	15.8	15.2

DIRT MISSION CODE FR
TEST R6, 3 OCT 1978
CAMERA STATION 1328
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.977	42.3	55.7	36.4	-0.9	18.0	-22.8	19.5
5.863	53.2	66.9	66.5	-2.5	37.5	-20.3	32.8
10.749	58.1	60.1	78.2	-8.3	52.8	-32.3	25.9
15.635	57.1	61.3	102.8	-10.8	65.4	-36.7	20.4
20.521	60.2	53.0	120.5	-14.0	78.1	-45.9	14.3
25.407	58.2	51.5	138.4	-12.8	90.3	-47.6	10.6
30.293	76.3	62.8	155.2	-11.5	110.8	-70.2	6.1
35.179	72.8	70.3	168.8	-11.7	125.3	-71.4	1.3
40.066	85.4	69.9	180.3	-10.6	141.5	-87.5	-2.1
44.952	78.7	69.4	152.7	-7.6	134.3	-84.5	-5.8
49.838	91.2	71.3	165.4	-7.6	141.2	-98.5	-7.3
54.724	85.8	73.1	153.2	-7.5	135.1	-98.4	-12.7
59.610	99.1	90.0	224.0	11.3	186.4	-114.0	-14.9
64.496	96.9	101.6	228.7	20.3	197.1	-116.2	-19.2
69.382	105.4	106.0	237.2	27.8	198.6	-124.3	-18.9
74.268	75.8	111.8	250.3	38.1	206.3	-123.3	-47.4

DIRT MISSION CODE FR
 TEST R7, 3 OCT 1978
 CAMERA STATION 1326
 DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	9.2	9.3	12.3	-8.3	5.1
0.0	8.2	8.2	13.8	0.5	6.8
0.0	8.3	9.9	14.8	10.3	7.1

DIRT MISSION CODE FR
 TEST 87, 3 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.072	32.5	36.6	14.9	0.9	9.3	-15.7	16.8
3.662	30.1	46.2	62.4	-0.2	37.9	-21.9	8.2
7.252	60.3	53.1	82.6	-2.5	59.7	-29.1	31.2
10.842	63.3	57.6	99.4	-5.9	70.1	-36.3	27.0
14.433	69.6	62.1	108.2	-8.7	78.1	-42.7	26.9
18.023	76.4	69.9	108.0	-15.2	85.6	-48.9	27.6
21.613	82.2	73.7	115.8	-21.8	92.6	-55.5	26.6
25.203	85.8	75.4	121.8	-27.3	100.8	-61.7	24.1
28.794	89.1	76.7	137.4	-33.0	109.7	-67.8	21.3
32.384	93.0	86.3	151.0	-36.2	117.8	-73.6	19.4
35.974	100.4	91.9	162.4	-39.7	128.0	-81.4	19.1
39.564	101.1	74.9	174.0	-44.4	134.6	-85.9	15.2
43.155	106.5	78.3	175.1	-50.1	139.7	-92.1	14.4
46.745	111.0	81.2	181.3	-59.8	145.8	-99.0	12.0
50.335	108.8	90.8	187.0	-67.4	150.8	-99.6	9.2
53.925	113.0	95.2	219.6	-70.1	171.9	-107.5	5.5
57.515	123.8	96.2	213.0	-73.9	178.7	-113.6	10.2
61.106	122.0	97.7	226.3	-80.1	186.9	-115.8	6.2
64.696	126.5	98.9	228.6	-85.6	183.5	-123.3	3.2
68.286	124.7	94.8	232.3	-91.4	187.7	-124.9	-0.2
71.976	131.0	99.7	237.0	-99.0	199.7	-135.0	-4.0
75.467	141.5	111.8	235.1	-105.2	200.1	-145.8	-4.4
79.057	128.7	111.0	240.4	-110.6	202.8	-135.9	-7.2
82.647	133.7	120.9	256.5	-122.4	213.0	-144.3	-10.5
86.237	127.9	122.7	253.2	-128.8	208.6	-145.3	-17.4
89.828	137.6	109.5	261.4	-141.4	210.3	-160.3	-22.6
93.418	137.7	96.7	266.2	-156.3	216.9	-160.3	-22.5
97.008	128.0	124.5	266.4	-173.3	224.7	-153.0	-25.0
100.598	154.4	136.9	266.9	-191.0	226.0	-178.3	-23.8

DIRT MISSION CODE FB
 TEST 87, 3 OCT 1978
 CAMERA STATION 1328
 DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID	
				X (M)	Z (M)
0.0	7.1	12.1	21.9	-15.2	9.8
0.0	13.1	15.8	15.8	0.2	8.2
0.0	9.8	12.4	19.7	14.4	9.0
0.098	8.9	17.1	23.8	-15.4	11.5
0.098	15.0	15.3	19.2	-0.7	10.2
0.098	8.4	17.0	21.3	12.9	12.3
0.196	6.3	18.2	25.8	-15.9	13.1
0.196	9.6	18.1	21.8	-0.8	10.6
0.196	5.9	20.3	23.3	13.0	12.8
0.294	8.0	20.9	30.6	-16.1	14.8
0.294	17.2	17.7	25.5	-1.1	12.4
0.294	7.7	21.6	25.3	14.2	13.0
0.392	11.7	19.6	33.0	-15.4	14.8
0.392	11.7	19.5	27.3	-1.1	11.8
0.392	8.3	24.6	28.8	13.2	14.1
0.491	13.1	19.3	35.8	-14.6	16.8
0.491	12.4	19.6	29.0	-1.5	13.6
0.491	9.4	24.8	30.7	13.4	14.1
0.589	14.0	19.7	38.8	-14.5	18.0
0.589	13.1	20.5	31.8	-2.7	14.1
0.589	9.3	25.2	34.7	15.6	18.0
0.687	13.0	22.6	40.2	-14.2	20.1
0.687	10.4	18.3	32.8	-1.7	15.6
0.687	10.8	24.3	36.5	14.6	17.3
0.785	11.2	21.9	42.5	-14.4	22.1
0.785	14.6	20.1	34.4	-3.7	17.7
0.785	17.7	23.6	38.3	15.4	18.8
0.883	13.3	20.2	45.2	-14.3	21.1
0.883	16.5	23.4	35.2	-3.8	16.3
0.883	17.2	26.9	40.6	15.8	19.9

DIRT MISSION CODE F8
TEST 87, 3 OCT 1978
CAMERA STATION 1328
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	PT (M)
0.977	47.3	50.8	43.6	-3.3	17.5	-24.8	22.4
5.862	60.8	70.6	77.9	1.2	50.3	-17.8	43.0
10.748	48.0	81.1	97.8	-2.0	62.2	-18.6	29.4
15.633	68.1	89.1	120.6	-3.3	76.9	-35.9	32.2
20.518	82.1	88.2	139.2	-2.0	87.4	-47.3	34.8
25.403	92.3	82.4	158.9	-0.6	98.3	-55.9	36.5
30.289	100.3	87.4	175.7	7.7	107.8	-63.4	36.9
35.174	98.3	90.9	189.8	3.8	121.5	-58.8	39.5
40.059	99.0	90.2	202.4	9.4	143.3	-57.5	41.5
44.944	107.0	79.1	214.7	9.8	166.4	-63.7	43.3
49.830	104.0	83.5	221.3	8.2	171.1	-62.4	41.5
54.715	111.1	74.8	229.2	6.0	175.8	-67.5	43.6
59.600	107.0	78.7	238.7	6.5	184.9	-63.8	43.1
64.486	103.5	87.2	246.0	15.7	193.8	-61.8	41.7
69.371	111.2	117.2	249.4	20.4	194.1	-71.8	39.4

DIRT MISSION CODE FB
TEST C1, 5 OCT 1978
CAMERA STATION 1326
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	282.8	288.7	10.0	-0.8	4.8	-141.3	141.5
5.199	273.0	279.8	37.5	-10.5	21.0	-150.6	122.3
10.398	281.9	277.2	47.8	-18.2	25.1	-151.6	130.3
15.596	305.6	267.2	58.5	-24.1	29.0	-175.5	130.2
20.795	300.5	269.3	62.8	-29.9	33.8	-174.6	125.8
25.994	296.7	276.9	69.6	-43.1	38.4	-177.9	118.8
31.193	278.4	296.5	87.9	-49.5	41.8	-165.5	112.9
36.392	294.4	303.3	92.0	-58.4	43.1	-184.0	110.4
41.590	275.2	303.4	97.1	-72.7	53.6	-179.7	95.5
46.789	281.9	313.2	105.2	-81.6	48.7	-194.7	87.2
51.988	303.4	323.3	111.1	-91.7	54.0	-212.9	90.5
57.187	296.5	325.7	116.3	-97.9	61.0	-220.5	76.0
62.386	304.4	340.3	127.8	-112.1	64.1	-230.9	73.5
67.584	306.1	343.5	124.8	-120.2	67.2	-240.6	65.5
72.783	302.0	351.1	131.2	-134.1	70.4	-243.4	58.6
77.982	319.8	350.8	135.6	-141.5	73.4	-263.6	56.2
83.181	308.2	355.6	132.6	-153.6	71.7	-263.4	44.7
88.380	328.2	366.2	135.5	-163.1	74.1	-287.3	41.0
93.578	333.8	373.8	135.6	-179.1	77.3	-287.6	46.3
98.777	336.8	376.6	138.7	-192.7	81.8	-302.6	34.2
103.976	354.2	380.8	142.5	-200.2	81.6	-321.1	33.1
109.175	362.2	388.4	141.8	-206.9	84.3	-338.2	24.0
114.374	387.8	402.4	142.7	-214.6	81.5	-375.1	12.8
119.572	361.5	386.4	141.5	-233.3	81.1	-349.8	11.6

DIRT MISSION CODE FB
TEST CL, 5 OCT 1978
CAMERA STATION 1328
MERGED CLOUD

PAGE C 43

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	106.4	161.8	10.7	4.2	4.9	-27.6	78.8
4.490	176.8	184.3	35.6	3.8	17.2	-80.4	96.4
8.980	181.5	190.6	45.8	10.3	22.2	-76.9	104.6
13.470	190.5	200.6	52.9	15.2	29.3	-77.4	113.1
17.959	176.7	190.8	59.0	17.0	31.3	-74.2	102.5
22.449	178.8	196.3	69.3	18.2	33.5	-72.6	106.2
26.939	198.5	190.9	78.3	25.2	40.0	-79.0	119.5
31.429	224.1	193.7	85.3	31.1	43.5	-102.9	121.2
35.919	236.4	192.0	92.8	33.2	48.4	-102.8	133.6
40.409	208.5	196.0	101.2	39.1	57.7	-88.7	119.8
44.898	222.6	197.2	105.9	50.3	65.9	-83.9	138.7
49.388	230.9	217.5	111.5	71.2	75.5	-87.1	143.7
53.878	241.5	214.7	119.8	76.4	78.7	-82.8	158.7
58.368	249.5	214.6	121.9	82.1	78.7	-85.5	164.0
62.858	262.3	200.3	127.7	80.8	81.2	-86.2	176.1
67.348	294.7	210.6	126.6	88.6	83.9	-111.5	183.2
71.837	247.5	212.7	131.1	88.3	83.5	-54.9	192.6
76.327	281.6	226.5	134.2	94.5	83.9	-62.4	219.2
80.817	290.0	244.4	133.8	104.0	86.0	-67.3	222.7
85.307	257.9	243.6	130.7	113.1	87.1	-55.2	202.7
89.797	290.2	253.8	131.9	122.2	86.9	-56.5	233.7
94.287	301.0	262.0	131.8	130.7	86.6	-56.5	244.6
98.777	301.6	262.6	131.6	149.1	84.1	-55.5	246.1
103.266	244.3	276.7	134.7	142.3	83.9	-55.6	188.7
107.756	282.6	270.2	128.0	153.0	84.5	-52.9	229.6
112.246	301.4	290.6	129.0	165.0	83.5	-55.8	245.7
116.736	293.1	300.3	123.5	174.4	85.0	-56.3	236.8
121.226	295.2	297.8	128.7	169.2	87.7	-64.5	230.8

DIRT MISSION CODE FR
TFST C2, 10 OCT 1978
CAMERA STATION 1326
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M) Z (M)	STEM EDGE LEFT (M) RT (M)
0.0	280.4	284.9	10.2	0.1 4.8	-138.3 142.1
4.862	290.9	293.3	37.7	-10.1 19.1	-153.3 137.6
9.724	304.5	290.9	43.3	-3.2 26.4	-162.6 142.0
14.586	311.1	297.4	47.8	-18.1 27.1	-170.3 140.8
19.448	315.9	300.0	50.5	-18.0 29.0	-175.2 140.7
24.310	321.1	300.7	55.4	-29.7 32.1	-180.2 140.8
29.172	317.4	310.8	58.4	-35.9 36.8	-180.9 136.5
34.034	321.5	311.0	58.8	-42.8 36.0	-186.0 135.5
38.896	338.9	305.2	63.7	-50.8 38.6	-206.1 132.8
43.758	355.2	308.7	64.9	-60.5 40.5	-228.2 126.9
48.620	351.9	310.4	68.3	-72.1 42.2	-226.5 125.4
53.482	349.0	315.7	70.0	-72.7 40.5	-230.5 118.5
58.344	358.1	314.1	70.6	-82.3 40.5	-239.3 118.8
63.206	359.5	320.4	72.9	-94.0 38.0	-243.8 115.7
68.068	367.8	273.4	75.5	-118.8 41.0	-252.1 115.7
72.930	380.1	271.6	78.1	-132.0 41.0	-266.5 113.6
77.792	374.5	264.0	81.6	-134.4 46.1	-266.8 107.7
82.654	385.6	262.7	81.9	-150.2 46.3	-279.1 106.5
87.516	381.3	263.8	87.7	-152.1 48.5	-277.9 103.4
92.378	384.1	260.3	88.2	-161.6 46.0	-283.9 100.2
97.240	387.8	258.0	93.0	-166.4 49.2	-289.4 98.5
102.102	375.4	253.3	95.0	-173.2 53.0	-293.6 81.8
106.964	379.1	274.8	99.0	-173.7 50.5	-303.3 75.9
111.926	386.7	264.8	101.4	-186.3 51.8	-315.2 71.5
116.687	389.1	313.8	101.1	-173.5 51.5	-323.0 66.1
121.549	390.0	252.8	114.5	-198.9 53.2	-324.6 65.4

DIRT MISSION CODE FB
TEST C2, 10 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	279.1	280.4	11.8	2.9	5.2	-140.6	138.6
5.189	292.2	302.0	51.2	-16.6	20.1	-158.6	133.5
10.378	284.5	306.5	58.5	-8.3	29.5	-157.1	127.4
15.567	290.5	311.8	66.3	-17.3	33.2	-163.4	127.1
20.757	307.3	317.6	69.6	-23.3	33.7	-174.9	132.4
25.946	316.7	321.8	74.8	-28.5	33.9	-185.0	131.7
31.135	323.7	324.4	77.4	-44.2	43.5	-193.0	130.7
36.324	327.2	329.5	75.2	-53.2	44.2	-202.3	125.0
41.513	339.0	337.1	75.9	-59.2	48.0	-216.0	123.0
46.702	350.7	343.1	81.9	-66.9	47.1	-230.0	120.6
51.892	348.3	343.5	84.6	-81.6	52.3	-234.5	113.8
57.081	348.9	350.5	89.6	-92.4	56.4	-239.2	109.7
62.270	355.4	339.7	88.2	-96.6	53.9	-243.9	111.5
67.459	363.4	352.2	88.9	-99.7	54.8	-257.5	105.9
72.648	365.7	365.1	87.9	-122.6	59.2	-265.3	100.4
77.837	371.9	347.2	89.6	-136.1	61.3	-271.7	100.2
83.027	380.8	346.0	97.1	-143.8	66.5	-278.6	102.3
88.216	378.0	360.8	99.7	-149.1	65.2	-281.0	97.1
93.405	341.8	356.8	105.1	-158.6	67.5	-285.4	56.4
98.594	386.6	356.1	106.6	-170.7	72.2	-295.5	91.0
103.783	373.1	362.2	106.9	-173.2	79.3	-299.8	73.4
108.972	367.2	362.9	108.4	-185.9	82.6	-301.4	65.8
114.162	376.6	352.5	110.1	-194.4	85.6	-305.6	71.0
119.351	371.3	348.7	116.8	-199.0	90.8	-307.9	63.4
124.540	365.7	346.9	117.5	-212.5	96.9	-311.0	54.7

DIRT MISSION CODE AA
 TEST CL, 6 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.0	58.8	61.7	4.2	-1.6	2.2	-30.5	28.4
5.190	70.7	72.5	26.5	-9.4	14.6	-39.4	31.4
10.379	71.0	73.4	30.2	-13.7	16.4	-43.5	27.5
15.569	74.4	68.7	31.8	-21.5	17.7	-49.4	25.0
20.759	74.1	65.3	37.7	-26.9	19.8	-53.7	20.4
25.949	79.9	62.9	40.5	-31.1	20.7	-59.2	20.7
31.138	79.0	63.0	44.3	-36.5	22.5	-63.2	15.8
36.328	80.6	73.2	53.3	-40.5	25.7	-67.1	13.5
41.518	78.7	67.0	54.3	-48.2	28.8	-76.3	2.4
46.708	74.5	51.3	62.0	-51.2	30.3	-81.2	-6.7
51.897	95.1	59.8	65.1	-52.7	30.6	-99.8	-4.6
57.087	97.0	58.6	67.6	-59.2	30.5	-104.6	-7.6
62.277	89.4	52.6	67.0	-60.4	32.2	-105.8	-16.4
67.467	96.9	54.0	67.7	-63.3	33.8	-111.3	-14.4
72.656	103.4	54.5	68.0	-65.2	35.1	-123.2	-19.7
77.846	102.2	60.0	68.4	-64.0	37.1	-126.7	-24.5
83.036	109.6	60.2	70.4	-62.7	35.1	-130.7	-21.1
88.226	118.0	54.3	68.4	-68.5	36.0	-146.8	-28.8
93.415	128.7	59.5	62.7	-68.7	36.2	-154.1	-25.4
98.605	115.3	58.4	63.0	-72.3	32.8	-160.0	-44.6
103.795	124.4	67.9	58.5	-69.0	33.8	-166.2	-41.7

DIRT MISSION CODE AA
 TEST D1, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
1.083	48.7	45.8	22.4	-2.7	9.0	-26.7	21.9
1.173	49.8	47.6	20.4	-4.9	8.6	-27.6	22.2
1.263	49.2	41.4	21.9	-4.2	9.4	-24.8	24.4
1.353	49.7	45.8	22.2	-2.5	8.9	-24.7	25.0
1.444	47.8	44.0	21.8	-5.1	9.8	-25.3	22.5
1.534	48.0	42.1	21.6	-5.4	8.7	-26.3	21.8
1.624	50.6	47.2	23.1	-6.4	9.7	-29.2	21.5
1.714	50.4	48.5	23.3	-5.4	8.8	-28.8	21.7
1.804	52.4	46.9	22.5	-4.9	9.0	-29.4	23.0
1.895	51.0	50.0	23.8	-5.0	8.0	-29.1	21.9
1.985	51.2	44.0	25.0	-3.2	9.0	-26.1	25.1
2.075	52.5	46.0	23.9	-6.5	9.7	-29.3	23.2
2.165	52.7	44.2	26.0	-5.6	10.3	-29.0	23.7
2.256	57.3	47.6	26.7	-5.4	9.9	-30.1	27.2
2.346	54.3	43.8	24.9	-6.2	10.8	-28.5	25.8
2.436	54.6	46.3	27.1	-5.3	10.3	-29.2	25.4
2.526	53.8	47.3	26.2	-5.4	11.0	-30.2	23.6
2.617	51.1	46.8	26.9	-5.6	11.7	-27.8	23.3
2.707	54.8	47.0	28.1	-5.3	11.3	-28.7	26.2
2.797	56.1	45.8	26.9	-5.3	11.3	-30.7	25.4
2.887	56.9	48.8	27.5	-5.5	11.2	-30.5	26.4
2.977	53.5	47.7	29.0	-6.2	10.6	-29.5	24.0
3.068	55.4	48.2	29.4	-6.9	10.4	-31.8	23.6
3.158	53.4	49.4	29.7	-6.0	11.4	-29.3	24.2
3.248	55.0	49.3	29.6	-7.9	12.5	-30.8	24.3
3.338	54.7	46.8	28.5	-7.8	11.1	-30.5	24.2
3.429	53.4	49.3	29.1	-6.7	12.0	-30.4	23.1
3.519	54.0	49.9	29.3	-5.3	11.1	-30.7	23.3
3.609	51.5	49.3	30.3	-5.9	11.7	-30.0	21.5

DIRT MISSION CODE AA
 TEST 01, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
18.031	59.1	61.0	52.1	-25.4	27.7	-53.6	5.4
22.539	47.2	65.6	58.8	-26.1	27.5	-46.0	1.1
27.046	48.3	64.3	66.2	-26.9	25.4	-45.1	3.2
31.554	61.8	69.8	65.3	-35.0	26.9	-63.1	-1.3
36.062	57.1	71.4	65.6	-35.3	34.9	-56.1	1.0
40.569	57.3	76.5	66.0	-40.0	30.8	-62.7	-5.4
45.077	55.5	69.8	71.4	-37.5	34.5	-58.9	-3.4
0.902	48.7	47.3	22.0	-3.6	9.3	-27.2	21.5
0.992	48.5	47.7	20.3	-1.4	7.9	-25.8	22.7

DIRT MISSION CODE AA
 TEST D2, 6 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.208	65.5	67.8	10.0	-3.9	5.1	-37.5	28.0
5.398	73.4	68.3	32.3	-11.6	16.1	-46.5	26.9
10.588	79.4	64.4	38.9	-22.0	21.5	-55.4	24.0
15.778	83.9	62.1	44.7	-29.5	23.2	-62.8	21.1
20.968	85.0	59.7	44.5	-37.9	24.0	-69.1	15.9
26.158	86.8	53.3	52.4	-46.6	25.3	-75.3	11.5
31.348	87.5	58.4	55.4	-53.1	27.9	-79.8	7.6
36.538	85.7	62.6	61.8	-52.1	32.3	-85.7	0.0
41.728	85.5	66.5	66.3	-59.8	33.5	-89.8	-4.3
46.918	78.2	70.9	65.2	-68.1	36.4	-88.8	-10.6
52.108	79.6	66.9	66.0	-73.2	40.7	-90.2	-10.5
57.298	86.3	74.3	66.7	-77.2	41.7	-97.5	-11.2
62.488	88.5	64.0	67.3	-84.6	42.0	-106.7	-18.2
67.678	85.8	70.9	64.4	-92.6	42.6	-106.1	-20.2
72.868	87.3	71.9	67.9	-97.5	46.7	-109.4	-22.1
78.058	76.4	39.7	53.4	-120.9	33.7	-106.9	-30.6
83.248	81.4	78.1	66.1	-70.0	55.2	-109.6	-28.3
88.438	76.9	84.5	68.8	-69.8	57.0	-108.7	-31.7
93.628	83.1	84.5	70.9	-71.0	60.9	-115.5	-32.4
98.818	81.8	82.2	74.3	-78.1	65.3	-112.7	-31.0
104.008	90.0	88.7	78.1	-74.5	67.4	-120.8	-30.8
109.198	95.7	79.4	79.9	-81.0	70.7	-126.9	-31.2
114.388	106.4	74.2	83.5	-76.2	74.4	-129.1	-22.6
119.578	140.3	80.4	88.0	-79.4	77.4	-172.8	-32.5

DIRT MISSION CODE AA
 TEST D2, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.090	39.7	41.3	10.7	5.5	3.5	-14.7	24.9
0.180	48.7	48.8	11.2	-0.9	4.5	-23.6	25.0
0.271	51.6	51.5	13.5	-0.1	5.4	-26.5	25.0
0.361	51.1	50.5	16.6	1.2	6.7	-25.9	25.2
0.451	51.7	52.0	18.0	0.9	6.8	-26.3	25.3
0.541	51.3	49.2	18.8	1.7	7.0	-27.2	24.1
0.631	55.3	53.9	20.3	1.8	7.5	-27.5	27.8
0.722	57.8	53.4	20.9	0.5	8.1	-31.4	26.4
0.812	54.7	56.7	23.3	-1.3	10.0	-28.7	26.0
0.902	56.3	57.1	22.7	-0.4	8.6	-29.8	26.4
0.992	57.7	55.3	23.0	-0.8	8.8	-31.3	26.3
1.082	54.2	52.0	22.2	-1.9	9.8	-28.1	26.1
1.172	55.7	57.0	23.6	-1.3	9.1	-29.4	26.3
1.263	55.1	53.6	23.6	-0.4	9.5	-29.6	25.5
1.353	53.6	54.8	23.7	-2.2	10.5	-28.5	25.1
1.443	54.6	54.9	23.7	-1.2	10.9	-29.7	24.8
1.533	52.8	58.7	25.7	-0.8	10.5	-27.8	24.9
1.623	54.6	53.3	27.5	-2.6	11.3	-29.3	25.3
1.714	53.3	55.2	27.0	-2.6	11.5	-28.1	25.1
1.804	58.6	55.8	26.4	1.3	11.4	-33.7	24.9
1.894	57.2	53.7	26.9	-1.5	11.2	-30.9	26.3
1.984	51.8	52.9	26.4	-2.7	12.8	-26.8	24.9
2.074	55.8	53.9	27.6	-5.0	12.3	-31.8	24.0
2.165	52.9	53.2	28.6	-2.8	12.7	-29.3	23.6
2.255	52.7	52.5	28.2	-3.8	12.7	-29.3	23.4
2.345	55.1	53.2	28.0	0.0	14.3	-29.5	25.6
2.435	56.0	51.5	28.1	-1.5	15.2	-30.8	25.2
2.525	52.9	53.1	29.5	-1.9	14.9	-29.0	23.9
2.615	52.8	54.4	30.7	-2.0	15.9	-28.8	24.0
2.706	55.5	53.3	29.4	-3.2	14.6	-30.6	24.9
2.796	54.8	54.6	31.0	-1.6	15.2	-29.6	25.2

DIRT MISSION CODE AA
 TEST D2, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.810	50.0	51.8	21.6	-3.5	12.2	-26.2	23.8
5.312	49.4	52.4	36.1	-6.3	20.7	-29.9	19.5
9.815	62.4	53.6	45.7	-13.1	22.4	-37.9	24.6
14.317	63.1	50.8	51.0	-18.8	26.8	-40.2	22.9
18.819	63.6	50.0	58.1	-24.4	31.9	-43.7	19.9
23.321	64.0	53.3	62.9	-29.3	32.1	-45.6	18.5
27.823	68.3	55.6	73.6	-33.9	33.8	-51.2	17.2
32.325	69.1	52.5	72.7	-39.3	35.2	-53.1	16.0
36.827	70.6	49.7	82.4	-45.4	41.9	-55.9	14.7
41.329	75.0	55.1	92.0	-56.9	50.1	-57.2	17.8
45.831	72.2	53.9	89.5	-61.0	53.6	-61.4	10.8
50.333	76.2	49.6	93.1	-69.1	48.2	-63.5	12.8
54.835	84.6	63.4	92.7	-70.0	51.3	-69.2	15.4

DIRT MISSION CODE AA
 TEST D3, 6 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.0	65.6	67.5	8.7	-0.6	4.0	-33.7	31.9
5.453	70.4	65.0	39.5	-6.3	22.9	-38.7	31.7
10.905	77.5	64.8	48.3	-10.0	28.4	-44.7	32.8
16.358	82.2	63.2	53.8	-15.8	31.5	-49.6	32.5
21.811	91.5	65.2	58.9	-22.2	33.8	-59.7	31.8
27.263	101.6	63.7	59.4	-26.6	33.6	-69.2	32.4
32.716	112.2	64.1	61.4	-32.1	35.7	-80.5	31.6
38.169	112.0	63.5	61.6	-37.0	34.8	-81.7	30.3
43.621	116.6	66.7	61.4	-43.0	36.7	-89.9	26.7
49.074	118.7	58.8	61.6	-48.3	35.4	-92.8	25.9
54.527	125.7	66.0	60.3	-53.6	35.8	-99.0	26.7
59.980	126.5	68.5	60.2	-62.0	37.4	-103.3	23.2
65.432	125.5	68.7	58.4	-68.6	36.0	-104.3	21.2
70.885	134.6	65.8	57.2	-74.1	36.6	-113.0	21.6
76.338	140.2	62.0	56.5	-79.1	35.1	-118.8	21.4
81.790	141.0	69.5	56.0	-86.0	35.6	-122.3	18.7
87.243	141.1	71.7	55.0	-94.0	35.0	-125.7	15.4
92.696	148.5	72.2	56.0	-99.5	35.3	-134.3	14.2
98.148	152.3	71.1	57.9	-107.0	34.8	-139.3	13.1
103.601	156.7	73.4	59.9	-114.1	34.0	-145.1	11.6
109.054	154.4	80.7	62.0	-120.4	35.5	-144.8	9.7
114.506	167.0	83.2	64.4	-123.5	40.9	-159.4	7.6
119.959	172.6	71.3	63.8	-129.2	38.0	-169.8	2.8
125.412	173.5	82.2	67.8	-133.6	35.8	-172.1	1.5
130.864	175.5	75.6	71.0	-137.8	37.4	-179.2	-3.7

DIRT MISSION CODE AA
TEST D3, 6 OCT 1978
CAMERA STATION 1328
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	65.9	67.4	11.1	-0.1	4.1	-32.6	33.3
0.090	59.8	60.2	13.6	2.6	5.6	-27.2	32.6
0.180	55.3	58.7	14.8	-1.2	5.5	-26.7	28.6
0.270	60.4	62.4	15.7	2.1	7.5	-26.5	33.8
0.360	60.3	56.4	19.4	3.1	8.1	-30.3	30.0
0.451	51.2	55.9	22.1	0.5	7.6	-24.3	26.9
0.541	53.3	56.6	21.8	0.1	8.7	-25.9	27.5
0.631	50.3	58.6	23.7	1.4	8.7	-24.7	25.7
0.721	51.7	53.3	24.7	0.8	9.5	-23.9	27.8
0.811	54.4	59.6	24.2	0.5	11.0	-28.3	26.1
0.901	50.8	59.8	25.6	2.7	10.7	-25.0	25.8
0.991	57.2	58.5	26.2	2.1	10.9	-30.9	26.3
1.081	51.5	60.8	26.8	2.0	12.5	-24.6	26.9
1.172	49.0	62.5	28.0	0.9	11.9	-24.8	24.3
1.262	50.0	64.5	28.4	1.4	13.7	-24.1	25.9
1.352	59.3	61.6	28.8	-0.1	12.3	-31.9	27.5
1.442	59.4	63.8	29.7	3.7	13.4	-33.8	25.6
1.532	60.8	62.3	29.4	1.9	14.2	-34.0	26.7
1.622	59.7	63.8	29.9	0.8	12.9	-32.5	27.2
1.712	59.3	61.7	29.9	3.3	13.6	-32.2	27.2
1.802	58.6	61.6	32.3	0.8	12.6	-32.7	25.9
1.893	57.4	62.3	32.9	0.9	14.1	-33.3	24.1
1.983	58.3	62.7	31.5	0.8	13.1	-32.1	26.3
2.073	56.3	63.2	32.3	1.3	17.8	-31.8	24.6
2.163	54.2	58.2	32.4	0.2	15.6	-29.5	24.7
2.253	53.0	58.1	33.4	1.4	15.7	-24.8	28.1
2.343	48.4	60.7	33.8	1.6	15.6	-24.3	24.1
2.433	47.4	57.6	32.7	1.3	15.2	-24.9	22.5
2.523	50.3	57.4	34.6	-0.8	15.2	-23.9	26.3
2.614	49.1	64.3	35.0	-0.2	16.0	-24.1	25.0
2.704	48.9	58.9	34.9	1.3	16.3	-24.9	24.0

DIRT MISSION CODE AA
 TEST D3, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.0	54.6	53.4	10.3	0.2	4.2	-27.0	27.6
4.500	45.8	60.1	39.5	0.3	20.8	-24.5	21.4
9.000	48.8	61.7	48.6	-3.1	25.6	-26.1	22.7
13.500	54.2	57.6	52.9	-6.0	28.8	-28.3	25.9
17.999	49.4	60.5	59.4	-4.3	27.3	-30.8	18.6
22.499	64.7	59.3	58.5	-10.2	32.1	-32.5	32.2
26.999	63.8	62.9	60.6	-10.4	32.7	-33.9	29.9
31.499	84.7	67.3	67.2	-12.1	33.4	-49.7	35.0
35.999	81.4	67.1	68.1	-16.6	33.1	-50.3	31.0
40.499	88.5	71.6	68.9	-17.1	34.3	-57.4	31.1
44.998	94.8	66.0	67.4	-20.9	34.7	-64.4	30.4
49.498	92.3	74.3	65.9	-20.1	33.6	-64.3	27.9
53.998	95.7	75.1	67.9	-23.1	33.0	-67.9	27.8
58.498	104.1	74.8	58.9	-21.3	31.8	-74.4	29.6
62.998	104.3	80.7	63.0	-26.4	29.6	-80.6	23.7
67.498	108.6	83.5	60.8	-27.2	32.9	-83.5	25.0
71.997	112.5	87.3	56.7	-29.9	32.4	-85.6	26.9

DIRT MISSION CODE AA
 TEST D4, 6 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	62.4	64.4	9.8	0.9	4.9	-32.0	30.4
4.854	76.4	58.4	40.0	-4.1	21.7	-33.5	43.0
9.708	77.2	60.8	49.4	-7.9	28.2	-40.8	36.4
14.562	86.7	64.3	62.1	-8.8	35.1	-48.3	38.4
19.415	97.6	79.2	72.8	-18.2	38.5	-58.8	38.8
24.269	97.5	89.0	77.7	-25.3	42.3	-60.4	37.2
29.123	106.1	99.7	81.0	-30.0	43.6	-73.0	33.1
33.977	107.8	93.1	86.0	-29.2	48.1	-74.0	33.8
38.831	131.2	102.7	89.8	-30.8	51.0	-98.2	33.0
43.685	135.5	106.4	86.8	-31.1	49.4	-103.3	32.2
48.539	136.5	100.1	89.8	-33.5	56.8	-104.2	32.3
53.393	144.0	106.4	96.6	-38.6	58.4	-116.4	27.6
58.246	132.4	114.3	100.9	-43.3	59.9	-102.4	30.0
63.100	128.7	110.4	106.0	-45.9	67.5	-97.8	30.9
67.954	126.7	108.3	107.4	-49.4	71.6	-100.4	26.3
72.808	130.7	108.7	100.2	-48.5	68.7	-103.6	27.1
77.662	124.4	105.5	108.2	-54.3	69.5	-103.9	20.5
82.516	122.0	112.1	101.3	-51.6	69.2	-103.3	18.8
87.370	125.6	119.9	99.7	-54.2	66.1	-110.2	15.4
92.224	120.4	123.7	101.6	-54.8	72.7	-114.0	6.4
97.077	103.4	129.7	104.5	-49.6	74.2	-104.2	-0.9
101.931	100.6	131.1	106.7	-49.0	77.4	-112.8	-12.2
106.785	99.2	106.4	108.8	-49.5	83.5	-111.5	-12.3
111.639	98.8	127.4	112.7	-50.9	84.8	-115.3	-16.5

DIRT MISSION CODE AA
 TEST D4, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.270	58.3	56.3	21.1	-0.7	9.3	-29.2	29.2
0.361	51.5	53.5	21.8	1.4	10.4	-25.0	26.4
0.451	52.5	52.6	23.7	-1.8	10.3	-26.3	26.2
0.541	52.1	56.8	25.0	-0.4	12.5	-27.8	24.3
0.631	50.6	56.3	26.5	0.5	11.5	-26.9	23.7
0.721	50.3	56.9	27.8	-0.8	14.3	-26.6	23.6
0.811	46.5	56.5	29.0	-2.3	12.8	-26.6	19.9
0.901	48.8	54.3	29.3	-1.4	14.6	-26.2	22.6
0.992	51.5	57.0	31.5	-2.1	15.2	-26.7	24.8
1.082	52.5	56.9	31.0	-1.4	14.2	-27.1	25.4
1.172	45.9	58.4	31.3	-2.1	15.2	-25.0	20.9
1.262	49.9	59.3	33.3	-2.3	16.4	-27.4	22.5
1.352	46.1	60.5	33.8	-0.7	15.9	-26.3	19.8
1.442	47.4	60.3	33.3	-0.4	16.3	-22.6	24.8
1.533	51.9	58.5	35.4	-2.3	18.9	-26.2	25.8
1.623	46.4	60.2	36.1	-2.7	19.3	-25.2	21.2
1.713	60.1	58.2	35.8	-1.1	17.3	-29.0	31.1
1.803	51.9	57.0	36.8	-2.9	17.8	-23.4	28.5
1.893	49.3	60.5	38.0	-2.1	17.6	-25.8	23.5
1.983	47.9	59.6	37.6	-1.9	19.2	-26.0	21.9
2.073	42.3	60.1	38.5	-2.2	19.1	-24.0	18.3
2.164	50.3	59.6	38.7	-2.5	21.6	-28.5	21.8
2.254	56.0	59.4	40.4	-2.3	18.4	-29.0	27.0
2.344	56.8	61.6	38.9	-3.1	16.5	-27.8	29.1
2.434	51.1	57.4	39.5	-3.8	18.9	-25.6	25.5
2.524	53.9	61.0	38.8	-3.3	19.5	-25.1	28.8
2.614	58.3	58.9	40.9	-3.4	18.5	-27.7	30.7
2.704	54.6	62.4	40.7	-3.8	19.1	-26.8	27.8
2.795	41.6	61.2	42.0	-5.3	18.9	-21.7	20.0
2.885	51.5	62.2	41.3	-2.8	18.8	-27.7	23.8
2.975	52.4	62.7	41.5	-4.1	22.2	-24.9	27.5

DIRT MISSION CODE AA
 TEST 04, 6 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
3.061	58.1	60.1	43.6	-5.9	18.6	-29.4	28.7
7.562	58.4	59.3	55.6	-6.7	29.9	-29.4	29.0
12.063	65.4	60.6	67.7	-7.6	33.1	-35.7	29.7
16.564	88.9	71.5	82.2	-16.5	47.3	-46.2	42.7
21.065	99.3	72.9	76.8	-31.6	55.5	-57.2	42.1
25.566	123.2	74.9	83.9	-38.9	59.0	-67.5	55.7
30.067	127.4	88.5	92.1	-49.1	64.6	-74.3	53.1
34.568	130.8	94.4	90.9	-60.4	64.6	-71.3	59.4
39.069	141.8	106.4	98.5	-70.0	66.0	-71.6	70.1
43.571	155.0	105.8	109.9	-79.1	69.7	-79.5	75.5
48.072	163.2	96.1	109.9	-91.2	72.4	-86.0	77.3
52.573	190.5	95.7	115.4	-107.1	75.6	-98.3	92.2
57.074	173.5	75.3	108.1	-117.8	76.0	-82.7	90.8
61.575	173.6	72.5	113.4	-129.6	79.7	-86.9	86.7
66.076	183.4	78.9	113.9	-128.2	76.0	-98.2	85.2
70.577	187.8	77.1	115.9	-129.7	77.7	-99.4	88.4
75.078	198.1	73.8	115.8	-134.5	80.0	-108.6	89.5
79.579	207.8	77.3	113.8	-137.1	80.5	-108.2	99.7

DIRT MISSION CODE FB
TEST EL, 11 OCT 1978
CAMERA STATION 1326
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	7.5	5.9	5.3	-8.8	1.9
0.0	3.7	4.5	4.0	0.2	1.5
0.0	4.2	4.9	5.3	10.6	1.8
0.097	8.0	5.6	6.8	-8.9	2.7
0.097	8.4	6.2	9.7	-0.4	3.4
0.097	8.7	6.3	8.1	10.1	2.1

DIRT MISSION CODE FB
TEST EL, 11 OCT 1978
CAMERA STATION 1326
MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.194	37.5	33.5	9.5	-3.2	4.6	-22.2	15.4
5.034	77.6	33.0	28.2	-2.1	14.8	-44.7	32.9
9.874	77.7	32.6	39.7	-3.3	20.7	-53.3	24.4
14.715	85.6	41.5	45.3	-6.6	23.5	-60.8	24.9
19.555	90.9	44.0	49.8	-6.9	29.1	-64.7	26.1

DIRT MISSION CODE FB
TEST FL 11 OCT 1978
CAMERA STATION 1328
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	7.6	7.0	4.4	-13.5	2.9
0.0	6.6	6.8	7.9	-1.8	4.0
0.0	7.7	7.8	5.7	14.3	3.2
0.098	10.6	9.1	6.7	-14.5	3.9
0.098	9.1	8.4	9.1	-3.3	5.1
0.098	8.7	8.5	7.0	13.6	3.8
0.196	9.4	9.5	7.9	-14.5	3.8
0.196	8.5	8.6	10.7	-3.2	5.5
0.196	9.0	10.0	8.6	13.2	3.8
0.293	9.8	10.5	8.6	-14.9	5.3
0.293	8.4	10.6	11.8	-2.9	5.9
0.293	10.0	11.1	9.3	14.1	5.1
0.391	11.4	11.5	10.8	-14.7	5.3
0.391	8.6	11.3	12.9	-2.3	6.6
0.391	11.7	12.5	13.1	12.8	5.5
0.489	10.3	11.0	10.7	-14.9	5.5
0.489	7.8	10.8	13.4	-3.3	7.7
0.489	11.8	11.9	12.3	12.8	5.5
0.587	10.4	11.3	11.4	-14.9	5.8
0.587	7.5	12.8	14.1	-3.0	7.5
0.587	12.2	12.7	11.9	12.4	6.5
0.685	11.3	12.6	11.3	-15.4	5.5
0.685	8.6	14.0	15.6	-3.0	8.4
0.685	12.3	12.9	12.8	12.8	6.5
0.782	10.2	12.4	13.1	-14.7	6.4
0.782	8.8	15.0	15.8	-2.3	8.1
0.782	14.1	15.1	12.8	12.8	6.9
0.880	11.3	11.6	13.1	-14.7	6.8
0.880	13.5	15.8	16.4	-3.2	10.5
0.880	13.2	14.6	13.3	13.5	6.9
0.978	10.6	11.2	14.1	-15.8	6.8

DIRT MISSION CODE F8
 TEST E1, 11 OCT 1978
 CAMERA STATION 132R
 DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.978	9.2	14.6	17.0	-3.2	7.7
0.978	12.9	14.4	14.0	13.4	6.8
1.076	10.2	10.6	13.9	-15.6	6.8
1.076	8.1	13.9	17.6	-4.1	9.8
1.076	13.5	14.3	14.4	12.8	7.6
1.173	11.3	12.7	13.8	-15.3	6.1
1.173	15.3	17.4	18.1	-2.3	7.8
1.173	14.7	15.3	14.3	13.2	7.7

DIRT MISSION CODE FR
 TEST FL, 11 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
1.269	42.7	42.8	17.4	-3.1	7.7	-21.8	20.9
6.151	41.8	42.5	32.1	-3.1	15.0	-22.5	19.3
11.032	37.9	38.5	41.1	-3.1	22.8	-22.6	15.3
15.913	42.6	44.3	48.7	-3.9	24.4	-29.2	13.4
20.795	42.4	40.5	54.0	-4.6	36.6	-32.3	10.1
25.676	42.5	39.0	64.4	-7.6	40.7	-34.3	8.2
30.558	42.0	38.4	72.9	-6.7	46.4	-36.7	5.3
35.439	44.8	38.3	78.8	-11.9	51.6	-42.3	2.5
40.320	56.8	38.5	85.8	-11.6	54.1	-50.1	6.8
45.202	57.0	41.5	92.4	-13.7	63.6	-52.9	4.1
50.083	61.6	49.0	97.0	-13.9	66.0	-58.4	3.2

DIRT MISSION CODE FB
TEST E2, 11 OCT 1978
CAMERA STATION 1326
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	14.1	4.7	3.0	-9.2	1.5
0.0	8.0	3.5	2.1	0.1	1.1
0.0	8.0	3.1	5.3	9.4	2.4

DIRT MISSION CODE FB
 TEST F2, 11 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.097	33.1	28.9	7.1	-0.5	3.5	-18.1	15.0
4.932	56.2	42.7	28.8	-3.6	14.4	-37.6	18.6
9.768	69.4	45.9	40.6	-7.4	19.5	-47.1	22.3
14.604	80.4	41.7	47.6	-13.1	22.8	-57.9	22.5
19.440	84.9	43.4	57.4	-18.3	27.9	-62.7	22.2
24.276	89.6	43.3	61.7	-21.9	34.7	-67.9	21.7
29.111	81.5	34.6	62.3	-26.4	42.5	-60.5	21.0
33.947	81.3	32.7	73.6	-29.6	39.9	-61.2	20.1
38.783	80.9	31.7	74.7	-33.9	40.4	-60.1	20.8
43.619	86.6	33.0	81.0	-38.7	47.5	-65.7	20.9
48.455	91.0	34.6	82.8	-42.4	47.8	-72.9	18.1
53.290	89.2	37.6	85.5	-49.1	49.9	-70.4	18.8
58.126	104.1	41.8	84.6	-54.9	69.4	-84.6	19.5
62.962	105.7	56.8	84.8	-56.4	70.2	-85.6	20.0
67.798	113.4	65.1	90.7	-58.8	71.4	-94.8	18.6
72.633	120.4	70.0	99.9	-59.8	77.5	-102.2	18.2
77.469	120.2	69.2	107.9	-64.9	86.9	-103.6	16.5
82.305	126.1	61.3	114.9	-69.5	92.3	-108.6	17.5
87.141	128.5	54.4	113.6	-71.5	95.0	-110.5	18.0
91.977	137.2	56.7	118.2	-71.9	101.4	-119.8	17.4
96.812	145.0	55.1	123.7	-75.9	104.5	-125.8	19.2

DIRT MISSION CODE F8
 TEST E2, 11 OCT 1978
 CAMERA STATION 1328
 DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID	
				X (M)	Z (M)
0.0	2.7	7.1	5.1	-12.7	3.0
0.0	5.6	6.0	5.3	0.6	2.7
0.0	5.4	5.9	5.2	14.7	3.0
0.098	8.9	9.2	6.3	-13.5	3.3
0.098	7.4	6.6	8.3	-0.7	3.8
0.098	6.8	8.3	6.4	13.5	4.1
0.195	8.7	9.3	8.2	-13.2	3.3
0.195	7.1	7.7	9.8	-1.4	4.6
0.195	7.4	8.8	8.3	13.3	5.2
0.293	10.8	9.9	8.9	-13.3	4.7
0.293	6.8	7.5	11.9	-1.2	6.0
0.293	9.3	9.4	9.0	13.4	5.8
0.391	10.3	12.6	10.1	-14.7	5.1
0.391	8.3	8.8	13.1	-1.9	6.8
0.391	9.0	10.3	10.4	13.4	5.9
0.489	11.5	12.8	10.0	-13.6	5.5
0.489	9.3	9.6	13.9	-1.3	7.3
0.489	9.8	11.2	10.7	13.6	6.0
0.586	11.7	12.8	10.1	-14.2	5.0
0.586	8.7	10.5	15.2	-1.6	8.8
0.586	10.1	12.2	11.9	13.6	6.5
0.684	11.9	16.7	12.7	-14.1	5.6
0.684	9.9	10.3	16.0	-0.8	9.5
0.684	9.8	12.3	12.2	13.3	6.5
0.782	12.2	15.1	12.6	-13.7	6.0
0.782	9.3	11.3	16.9	-1.9	10.4
0.782	10.4	12.4	12.8	13.8	7.0
0.879	13.1	17.5	13.3	-14.2	5.3
0.879	12.5	10.3	18.4	-1.7	11.6
0.879	10.8	14.3	13.7	13.8	6.7

DIRT MISSION CODE FB
 TEST E2. 11 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STFM EDGE LEFT (M)	RT (M)
0.976	37.4	40.3	17.3	-0.8	7.9	-19.0	18.4
5.854	39.2	42.3	33.2	-0.6	17.3	-20.3	18.9
10.733	39.5	37.5	43.6	0.0	28.4	-16.7	22.8
15.611	44.5	40.4	52.8	-5.7	29.7	-17.9	26.6
20.489	41.5	42.8	62.4	-5.0	34.7	-13.2	28.3
25.368	50.3	39.3	69.8	-5.7	37.8	-21.8	28.5
30.246	59.4	40.2	78.8	-9.0	44.5	-30.6	28.9
35.125	53.8	40.9	84.7	-10.7	50.1	-24.9	28.9
40.003	61.8	45.6	93.0	-5.7	60.9	-32.3	29.5
44.882	47.3	48.5	97.1	-2.3	69.6	-17.0	30.4
49.760	51.8	48.2	100.0	-3.1	72.1	-18.8	33.0
54.638	56.3	56.4	94.1	-4.4	73.5	-23.0	33.3
59.517	59.0	68.9	93.8	-6.5	75.0	-24.5	34.5

DIRT MISSION CODE FB
 TEST E3, 11 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.0	47.6	59.4	5.8	-0.2	2.3	-17.3	30.3
4.825	92.7	83.5	25.5	-7.2	13.3	-55.4	37.4
9.650	97.4	75.6	32.4	-15.0	19.0	-61.0	36.4
14.474	99.4	76.0	43.5	-26.6	25.4	-67.3	32.1
19.299	112.9	70.4	52.5	-33.3	28.8	-80.9	32.0
24.124	111.0	72.4	60.7	-44.7	39.3	-84.6	26.4
28.949	117.1	71.3	64.3	-54.6	45.1	-95.4	21.7
33.774	125.1	74.3	73.0	-66.7	50.6	-106.9	18.2
38.598	126.1	81.0	76.5	-74.5	55.6	-112.7	13.4
43.423	130.4	92.8	82.5	-81.4	61.5	-118.5	11.9
48.248	137.8	96.7	86.1	-91.1	65.9	-127.5	10.3
53.073	133.9	103.4	95.0	-101.7	70.9	-133.7	0.2
57.898	134.8	96.4	98.6	-109.0	74.1	-138.6	-3.8
62.723	114.6	104.6	103.7	-120.0	77.8	-129.0	-14.4
67.547	117.4	104.0	109.6	-126.9	79.1	-140.6	-23.2
72.372	127.0	105.8	113.9	-136.7	81.7	-151.9	-25.0
77.197	132.7	110.6	120.4	-146.3	85.5	-163.8	-31.2
82.022	127.0	110.6	126.5	-154.8	90.9	-159.4	-32.4
86.847	137.4	123.9	129.1	-163.7	96.6	-177.2	-39.8
91.671	140.4	126.5	130.0	-171.5	99.1	-189.1	-48.7
96.496	139.4	123.1	137.9	-180.8	100.6	-195.3	-55.8
101.321	133.4	125.3	141.7	-193.1	104.3	-204.1	-70.6
106.146	148.2	116.2	146.5	-197.1	109.8	-219.1	-70.9
110.971	136.6	116.0	151.4	-206.9	107.5	-223.8	-87.2

DIRT MISSION CODE FB
 TEST E3, 11 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.0	46.3	47.3	5.9	1.2	3.0	-23.7	22.6
4.876	49.6	51.0	27.4	-1.7	12.8	-25.7	23.9
9.752	50.8	50.2	38.4	-6.8	17.4	-28.4	22.4
14.628	52.6	53.6	44.2	-9.8	25.0	-31.5	21.1
19.504	51.8	50.6	53.3	-13.1	30.6	-33.0	18.8
24.380	50.3	60.6	63.2	-15.1	38.6	-33.5	16.9
29.257	45.1	68.1	68.8	-23.9	39.1	-30.7	14.4
34.133	44.2	74.5	77.1	-28.7	46.1	-32.2	12.0
39.009	42.3	74.3	82.4	-29.8	50.2	-35.3	7.0
43.885	45.1	83.9	88.2	-26.5	58.6	-39.4	5.7
48.761	48.1	90.7	94.5	-33.7	63.1	-44.6	3.5
53.637	49.7	99.7	95.8	-30.8	69.5	-50.1	-0.4
58.513	48.7	109.5	99.6	-39.8	70.0	-51.9	-3.3
63.389	48.7	112.9	105.6	-44.4	73.4	-53.3	-4.7
68.265	52.0	116.6	111.5	-49.1	74.8	-60.2	-8.2
73.141	51.8	112.1	119.6	-47.3	82.9	-62.7	-10.9
78.017	50.7	123.3	123.7	-51.4	89.1	-68.2	-17.4
82.894	49.9	135.8	129.8	-59.7	91.5	-69.1	-19.2
87.770	47.5	138.8	131.3	-52.5	96.0	-71.6	-24.1
92.646	47.3	134.6	130.6	-51.2	98.8	-76.8	-29.4
97.522	46.8	137.7	140.8	-54.9	101.4	-79.5	-32.7

DIRT MISSION CODE FB
 TEST F4, 11 OCT 1978
 CAMERA STATION 1326
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.0	82.4	67.8	6.6	0.0	3.0	-44.5	37.9
4.818	91.1	58.9	23.9	-6.9	12.3	-55.3	35.8
9.636	95.8	70.4	30.0	-12.6	15.2	-64.3	31.5
14.455	94.7	70.9	35.9	-19.6	21.6	-70.2	24.6
19.273	100.9	70.8	43.5	-29.5	23.6	-79.8	21.1
24.091	103.2	73.1	50.5	-37.7	29.0	-86.1	17.0
28.909	107.7	75.7	56.8	-46.4	33.8	-93.9	13.8
33.728	112.5	82.0	62.7	-54.2	37.4	-102.5	10.1
38.546	114.3	83.5	68.7	-55.1	40.4	-107.6	6.7
43.364	113.8	89.4	76.0	-73.0	46.0	-111.7	2.1
48.182	117.8	92.1	82.0	-77.9	49.8	-118.9	-1.2
53.001	114.8	94.0	86.4	-85.8	54.0	-122.0	-7.3
57.819	121.1	89.3	91.0	-95.4	57.2	-130.9	-9.9
62.637	122.2	92.3	93.7	-105.5	59.6	-137.4	-15.2
67.455	122.4	94.4	104.1	-111.3	64.2	-138.7	-16.3
72.274	119.5	96.9	94.8	-119.1	65.4	-142.3	-22.7
77.092	117.2	90.8	96.9	-128.9	70.3	-144.8	-27.6
81.910	100.7	94.6	102.5	-143.8	72.2	-136.0	-35.2
86.728	116.6	97.2	110.6	-153.5	78.6	-152.6	-36.0
91.547	121.4	92.5	114.0	-166.5	80.4	-155.9	-34.5
96.365	126.6	90.1	120.1	-177.6	87.1	-168.2	-41.6
101.183	127.8	90.7	127.0	-184.8	92.3	-180.2	-52.4
106.001	129.6	91.6	131.1	-193.2	95.4	-184.1	-54.5
110.820	140.2	101.9	136.2	-197.8	99.9	-194.0	-53.8

DIRT MISSION CODE FR
 TEST E4, 11 OCT 1978
 CAMERA STATION 1328
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M) RT (M)
0.0	45.2	46.8	7.1	0.0	3.3	-22.0 23.2
4.873	48.3	53.0	25.1	1.4	12.8	-24.7 23.6
9.746	53.9	56.8	32.0	-1.1	18.8	-25.9 28.0
14.619	56.3	56.7	35.5	-2.7	21.5	-28.1 28.2
19.492	56.8	58.7	43.0	-6.8	26.3	-29.2 27.7
24.366	55.4	63.5	50.0	-9.0	31.6	-29.5 25.9
29.239	56.6	69.5	57.7	-13.1	36.6	-32.3 24.3
34.112	55.1	66.9	65.1	-17.5	42.0	-32.8 22.3
38.985	53.8	68.4	71.7	-18.2	44.7	-33.8 20.1
43.858	52.8	76.8	78.1	-20.9	49.5	-33.0 19.8
48.731	51.9	78.6	83.8	-20.7	54.5	-32.2 19.8
53.604	45.5	75.3	91.2	-21.2	56.4	-31.4 14.1
58.477	46.0	81.1	93.1	-22.3	58.3	-32.2 13.9
63.351	43.3	86.3	107.7	-25.9	65.6	-31.9 11.4
68.224	45.4	93.0	117.4	-29.4	70.3	-36.6 8.8
73.097	45.0	97.1	127.8	-29.3	70.6	-35.9 9.1
77.970	43.5	79.3	134.5	-30.0	74.9	-37.0 6.5
82.843	42.2	94.9	134.9	-33.2	78.8	-37.5 4.7
87.716	43.3	93.3	140.6	-33.3	77.6	-37.9 5.4
92.589	43.4	98.1	146.9	-37.1	91.0	-39.8 3.7
97.462	43.8	106.4	155.1	-32.9	94.5	-38.9 4.9

DIRT MISSION CODE AA
 TEST E6, 14 OCT 1978
 CAMERA STATION 1327
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.0	59.9	32.0	8.1	-0.6	3.5	-45.5	14.4
5.221	95.7	42.0	40.5	1.9	28.8	-62.6	33.1
10.443	94.4	41.2	52.4	3.0	30.2	-60.4	34.1
15.664	94.1	51.3	56.9	3.8	36.5	-59.3	34.7
20.886	94.4	53.2	62.5	3.9	37.5	-60.4	34.0
26.107	98.4	56.8	65.5	4.5	40.6	-62.7	35.7
31.329	105.1	56.6	68.1	6.5	41.8	-62.4	42.7
36.550	106.3	58.1	70.0	7.9	41.8	-61.3	45.0
41.772	108.7	60.2	71.2	6.5	41.4	-59.7	49.0
46.993	119.0	61.8	68.8	8.4	43.6	-68.5	50.5
52.215	102.6	71.4	69.3	9.8	43.2	-49.6	52.9
57.436	106.2	65.8	67.5	8.5	38.7	-49.1	57.1
62.658	109.9	68.9	70.8	13.6	45.0	-48.9	61.1
67.879	112.3	68.9	71.5	13.5	45.0	-48.5	63.9
73.101	112.4	71.2	77.7	15.8	45.6	-44.2	68.2
78.322	118.8	79.4	78.7	18.8	47.4	-46.4	72.4
83.544	126.0	81.9	79.2	17.0	45.8	-48.2	77.8
88.765	133.5	81.9	79.5	24.6	48.7	-51.0	82.5
93.987	128.6	82.0	81.1	23.5	46.5	-42.5	86.1
99.208	133.9	90.8	84.5	29.0	48.9	-42.8	91.2
104.430	137.4	68.5	85.8	34.5	49.8	-42.1	95.3
109.651	142.2	90.3	88.7	35.5	50.8	-40.9	101.2
114.873	155.3	74.8	88.4	54.7	52.8	-48.2	107.1

DIRT MISSION CODE AA
TEST E7, 14 OCT 1978
CAMERA STATION 1327
MERGED CLOUD

PAGE C 72

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.0	28.8	30.3	6.0	1.0	2.4	-14.4	14.4
5.213	52.5	37.8	31.9	1.5	16.6	-24.0	28.5
10.426	59.1	39.4	41.3	-0.4	20.7	-32.2	26.9
15.640	66.9	43.7	48.2	-5.8	25.4	-40.0	26.9
20.853	72.4	46.1	47.4	-8.6	23.4	-47.7	24.7
26.066	79.8	53.6	51.0	-9.0	23.4	-54.8	25.1
31.279	87.0	54.0	53.0	-9.2	24.7	-63.0	24.0
36.492	95.2	53.6	54.9	-9.1	26.8	-72.2	23.0
41.705	102.1	54.6	55.4	-13.3	25.5	-79.8	22.3
46.919	110.7	61.0	55.4	-16.0	27.2	-88.5	22.2
52.132	118.0	58.1	57.5	-17.9	29.0	-96.5	21.5
57.345	124.3	60.2	60.0	-17.9	35.2	-105.1	19.2
62.558	128.5	64.2	60.5	-19.5	37.4	-111.7	16.8
67.771	134.6	66.9	64.7	-14.2	48.5	-117.3	17.3
72.985	140.9	69.9	67.7	-18.7	47.4	-123.4	17.5
78.198	147.8	69.0	69.3	-19.3	48.8	-130.8	16.9
83.411	157.3	69.2	70.4	-16.8	48.3	-140.3	16.9
88.624	162.9	82.8	76.3	-13.5	49.9	-146.0	16.8
93.837	170.2	82.0	74.0	-18.1	50.5	-153.3	16.9
99.051	174.8	111.5	74.8	-6.4	50.2	-157.4	17.3

DIRT MISSION CODE AA
TEST E8, 14 OCT 1978
CAMERA STATION 1327
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)
0.0	7.1	8.0	4.5	-9.5	2.6
0.0	6.0	7.5	5.6	0.2	2.9
0.0	7.5	7.9	5.4	8.9	2.6

DIRT MISSION CODE AA
 TEST F8, 14 OCT 1978
 CAMERA STATION 1327
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.104	29.9	32.6	8.5	0.9	4.9	-16.4	13.5
5.312	52.9	49.7	27.6	2.7	15.2	-29.3	23.6
10.521	53.7	47.7	31.1	-0.8	17.6	-34.3	19.5
15.729	56.1	46.4	37.4	-0.5	21.2	-35.7	20.4
20.937	58.9	44.4	41.4	-1.4	20.6	-38.0	20.9
26.146	67.5	46.5	44.2	-3.6	25.8	-46.0	21.6
31.354	71.9	49.6	46.2	-5.2	23.0	-49.2	22.7
36.562	73.5	46.1	48.5	-5.6	26.1	-54.3	19.3
41.771	76.0	46.1	54.9	-8.9	28.2	-58.9	17.0
46.979	81.2	51.3	53.7	-10.3	29.9	-64.3	16.9
52.187	85.2	48.6	57.2	-13.6	32.9	-69.8	15.4
57.396	89.6	51.2	59.6	-15.8	33.0	-75.6	14.0
62.604	91.3	55.5	62.2	-21.4	34.8	-81.8	9.5
67.812	94.5	54.6	63.7	-20.3	36.7	-87.2	7.4
73.021	99.2	61.4	64.9	-19.7	40.4	-92.5	6.7
78.229	99.1	62.9	67.4	-21.8	41.4	-96.7	2.4
83.437	100.5	65.0	71.0	-23.2	43.5	-101.0	-0.5
88.645	100.1	68.5	70.3	-25.1	40.3	-106.0	-5.9
93.854	103.4	71.4	70.3	-30.2	41.6	-113.2	-9.8
99.062	99.2	78.9	71.8	-32.9	42.8	-111.9	-12.7
104.270	105.7	83.5	72.7	-38.3	41.8	-119.9	-14.2
109.479	98.3	84.7	74.6	-41.7	42.0	-111.2	-12.9
114.687	111.6	96.4	75.5	-41.6	45.1	-130.8	-19.3

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NEW MEXICO STATE UNIV LAS CRUCES PHYSICAL SCIENCE LAB F/G 19/4
FIXED CAMERA DATA DUSTY INFRARED TEST-I (DIRT-I) 2 OCTOBER THRO--ETC(U)
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DIRT MISSION CODE AA
TEST E9, 14 OCT 1978
CAMERA STATION 1327
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M) Z (M)
0.0	C1 3.8	4.1	2.2	-9.3 0.8
0.0	C2 5.3	4.7	2.9	0.6 0.9
0.0	C3 6.9	6.4	3.3	11.0 1.0
0.104	C1 13.4	6.7	4.3	-9.1 2.2
0.104	C2 7.0	7.9	5.5	2.8 2.6
0.104	C3 4.5	4.5	3.9	11.4 2.2

DIRT MISSION CODE AA
 TEST F9, 14 OCT 1978
 CAMERA STATION 1327
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE LEFT (M)	RT (M)
0.208	30.6	27.0	5.4	-3.5	3.0	-17.8	12.8
5.410	115.1	30.9	15.9	8.6	9.9	-80.7	34.4
10.611	111.7	31.8	25.3	6.4	16.8	-79.8	31.8
15.813	112.1	36.5	35.8	6.8	21.0	-80.7	31.4
21.015	110.0	36.6	41.8	5.2	26.7	-77.2	32.8
26.216	107.2	41.4	51.1	3.9	33.1	-73.5	33.7
31.418	108.9	39.0	58.6	4.0	42.0	-74.6	34.3
36.619	104.5	41.7	67.1	2.9	48.3	-69.7	34.8
41.821	109.4	44.8	75.1	-0.1	55.4	-73.3	36.2
47.023	106.5	48.5	80.0	-0.6	60.8	-70.8	35.7
52.224	106.7	58.6	90.8	-3.1	67.2	-71.6	35.1
57.426	103.4	59.1	96.4	-6.0	72.1	-66.9	36.6
62.628	102.7	62.0	100.9	-10.3	77.0	-69.1	33.6
67.829	108.8	63.0	99.2	-13.2	79.5	-75.3	33.5
73.031	107.0	60.7	111.8	-18.0	86.0	-72.8	34.3
78.232	107.5	57.7	112.3	-23.7	89.4	-70.4	37.2
83.434	94.0	63.6	115.7	-27.1	92.7	-55.8	38.1
88.636	107.5	66.5	121.2	-28.0	96.3	-62.9	44.6
93.837	112.1	71.5	126.0	-30.3	98.8	-70.4	41.7
99.039	120.9	68.8	128.9	-34.0	101.4	-77.5	43.4
104.241	143.0	70.4	130.2	-35.6	105.8	-95.0	48.0
109.442	139.6	73.3	138.0	-41.5	107.2	-88.0	51.7
114.644	135.3	93.5	140.1	-40.3	102.1	-83.5	51.8

DIRT MISSION CODE AA
TEST F10, 14 OCT 1978
CAMERA STATION 1327
DEVELOPING CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M) Z (M)
0.0	5.3	5.4	1.5	-7.6 0.7
0.0	6.4	5.9	2.1	0.7 1.2
0.0	9.9	6.1	2.5	10.1 1.0
0.104	7.2	7.2	1.7	-9.2 0.8
0.104	7.5	6.9	3.5	0.3 1.8
0.104	8.3	8.4	3.2	10.7 1.5
0.208	8.1	8.0	3.3	-10.0 1.3
0.208	7.0	7.4	4.5	-0.7 2.1
0.208	7.0	6.6	5.0	10.5 2.2
0.312	8.2	8.5	3.7	-10.1 1.9
0.312	7.9	8.4	4.8	-0.5 2.5
0.312	5.7	5.5	5.5	10.3 2.8

DIRT MISSION CODE AA
 TEST F10, 14 OCT 1978
 CAMERA STATION 1327
 MERGED CLOUD

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.416	28.5	27.2	5.1	0.7	2.7	-15.3	13.3
5.613	67.2	28.8	12.6	0.2	6.6	-26.2	40.9
10.810	83.7	32.2	23.4	11.1	12.6	-29.3	54.4
16.008	89.5	37.2	31.1	12.8	14.6	-31.4	58.2
21.205	98.1	43.0	37.2	13.1	19.5	-30.7	67.4
26.402	105.5	48.4	44.7	14.7	23.5	-28.0	77.5
31.599	104.7	49.4	50.6	17.6	29.5	-26.9	77.8
36.797	110.8	52.9	57.0	20.2	33.5	-25.4	85.4
41.994	112.9	58.2	62.0	23.6	37.0	-22.9	90.0
47.191	120.3	59.8	68.2	27.7	44.7	-23.0	97.3
52.388	128.3	61.7	69.9	28.3	43.8	-23.5	104.8
57.586	135.0	55.8	75.6	32.3	52.5	-26.9	108.1
62.783	144.0	56.6	74.9	37.9	54.7	-29.0	115.0
67.980	147.0	57.3	82.1	39.3	58.9	-29.6	117.4
73.177	148.1	54.7	87.9	43.2	62.5	-28.4	119.7
78.375	154.3	65.8	88.9	43.2	67.2	-26.7	127.5
83.572	147.0	70.1	92.8	48.3	73.5	-29.7	117.3
88.769	167.8	64.9	96.5	52.8	78.4	-38.8	129.0
93.966	172.1	76.4	99.4	56.1	79.8	-39.8	132.3
99.164	173.7	87.2	100.9	55.0	83.1	-46.0	127.7
104.361	167.0	105.1	101.0	53.4	83.0	-32.8	134.2
109.558	183.0	104.6	106.4	51.0	83.1	-55.8	127.2
114.755	208.2	106.7	109.2	53.6	85.9	-69.9	138.4

DIRT MISSION CODE AR
TEST FL, 12 OCT 1978
CAMERA STATION 1328
ISOLATED BURST

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.686	5.7	7.8	4.6	119.9	2.3	116.6	122.3
0.784	5.9	8.0	5.4	121.5	3.5	117.9	123.8
0.882	7.4	7.1	7.0	121.2	3.8	117.7	125.1
0.980	6.9	7.4	7.7	122.3	4.7	118.6	125.5
1.078	6.5	8.2	7.9	122.7	4.5	119.4	125.9
1.176	8.7	7.9	8.9	122.7	5.2	117.8	126.5
1.274	9.8	9.9	8.7	122.0	4.8	117.3	127.1
1.372	10.0	10.6	10.0	122.7	5.2	117.2	127.2
1.470	9.8	11.1	10.1	122.3	5.3	117.5	127.3
1.568	9.9	12.0	10.2	122.4	5.5	117.5	127.4
1.666	9.1	10.8	10.3	123.8	5.7	118.9	128.0
1.764	10.3	11.9	10.5	123.9	6.1	117.8	128.2
1.862	9.9	12.8	9.8	124.2	5.9	118.1	128.1
1.960	10.4	12.7	10.8	123.1	5.7	117.9	128.3
2.058	11.8	16.0	11.3	123.6	6.4	116.8	128.6
2.156	15.6	18.8	11.4	121.5	5.7	113.1	128.6
2.254	18.8	20.3	11.3	123.0	5.5	110.2	129.0
2.352	18.8	20.1	10.7	121.9	6.4	110.3	129.1
2.450	18.7	20.4	12.1	121.3	5.8	110.8	129.5
2.548	19.0	21.3	11.3	122.4	5.4	110.3	129.4
2.646	19.7	20.0	11.5	122.9	5.8	110.2	129.8
2.744	19.6	21.2	11.6	121.8	6.0	110.2	129.8
2.842	20.5	21.4	11.4	122.8	5.9	109.6	130.1
2.940	21.1	21.2	12.3	123.0	6.4	108.8	129.9
3.038	20.9	22.7	12.2	123.0	5.8	109.6	130.5
3.136	21.7	22.5	12.7	123.2	5.6	108.8	130.5
3.234	20.7	20.7	13.4	122.9	5.7	110.0	130.7
3.332	21.6	21.8	12.8	122.2	6.0	109.3	130.9
3.430	21.3	21.6	12.8	120.7	5.5	109.6	130.9
3.528	21.5	21.5	13.7	122.2	5.7	109.6	131.1
3.626	23.0	20.7	13.4	123.7	6.3	107.9	130.9

DIRT MISSION CODE AB
 TEST FL, 12 OCT 1978
 CAMERA STATION 1328
 ISOLATED BURST

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.685	4.5	7.0	4.3	118.3	2.3	116.1	120.6
5.581	24.6	23.9	15.4	121.1	6.5	108.3	132.8
10.477	29.5	27.2	20.2	123.0	9.8	108.4	137.9
15.373	31.6	29.5	27.7	124.2	11.5	107.1	138.7
20.269	31.3	32.1	35.2	126.6	15.7	107.3	138.7
25.165	31.7	32.3	36.8	133.4	16.5	108.3	140.0
30.061	29.9	32.8	43.6	132.2	18.5	110.4	140.3
34.957	31.9	33.8	48.9	134.0	20.0	111.2	143.1
39.853	36.2	35.9	55.5	134.0	26.7	111.4	147.6
44.749	36.7	33.8	58.9	133.8	30.7	113.5	150.2
49.645	34.4	34.5	64.2	137.1	30.3	116.8	151.2
54.541	33.4	46.4	76.0	140.4	30.0	121.8	155.2
59.437	39.7	48.8	82.5	141.6	42.0	119.9	159.6

DIRT MISSION CODE AB
 TEST F2, 12 OCT 1978
 CAMERA STATION 1328
 ISOLATED BURST

TIME (SFC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.392	4.8	8.7	4.0	81.6	2.1	79.1	83.9
0.490	7.8	9.7	4.7	80.7	2.3	77.0	84.8
0.588	8.6	10.4	5.3	80.3	2.2	76.7	85.3
0.686	11.2	14.2	5.1	80.7	2.5	74.7	85.9
0.783	13.2	15.6	5.1	80.7	2.2	74.0	87.2
0.881	19.5	21.3	4.9	84.6	2.0	74.3	93.8
0.979	20.6	22.4	5.7	82.8	2.8	73.8	94.4
1.077	19.4	21.5	5.6	82.7	2.8	75.3	94.7
1.175	20.7	23.1	6.8	82.5	2.8	74.4	95.2
1.273	23.1	21.8	6.6	84.8	3.0	72.0	95.1
1.371	22.6	23.8	6.6	85.7	2.6	72.6	95.2
1.469	24.8	25.2	6.6	84.8	3.1	69.7	94.4
1.567	20.3	26.1	6.8	84.7	3.9	73.7	94.0
1.665	18.7	18.5	7.2	85.6	3.8	76.1	94.8
1.763	18.8	18.9	7.3	85.3	3.9	76.9	95.7
1.861	17.5	17.7	8.2	84.6	3.8	77.1	94.6
1.959	19.8	22.1	8.8	84.6	4.8	75.3	95.1
2.057	16.4	18.6	8.8	85.7	4.5	78.8	95.2
2.155	18.6	20.3	8.9	85.8	4.7	75.8	95.3
2.253	19.7	21.7	9.2	85.9	4.7	75.9	95.6
2.350	19.7	19.4	8.7	86.0	4.3	76.0	95.7
2.448	19.0	19.0	10.0	85.4	5.1	76.7	95.7
2.546	21.3	19.6	9.8	86.3	4.7	74.1	95.3
2.644	19.4	18.6	10.8	85.7	4.5	76.3	95.7
2.742	17.6	20.8	10.7	85.8	5.8	77.2	94.8
2.840	23.3	20.7	10.1	85.7	5.1	72.7	95.9
2.938	22.7	21.0	10.4	85.3	6.2	72.1	94.8
3.036	19.8	24.1	10.6	84.4	5.6	74.6	94.4
3.134	21.3	23.3	10.6	84.9	5.5	74.3	95.6
3.232	22.4	23.7	11.9	84.8	5.1	72.8	95.2
3.330	23.6	21.7	11.8	85.0	5.4	71.5	95.2

DIRT MISSION CODE A8
 TEST F2, 12 OCT 1978
 CAMERA STATION 1328
 ISOLATED BURST

PAGE C 82

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID X (M)	Z (M)	STEM EDGE	
						LEFT (M)	RT (M)
0.979	17.2	25.0	5.2	82.8	2.3	76.9	94.0
5.872	23.0	17.9	17.2	84.7	7.9	70.8	93.8
10.765	27.3	25.1	24.7	81.2	12.8	68.0	95.3
15.658	30.4	28.0	33.1	80.3	15.5	67.2	97.6

DIRT MISSION CODE AB
TEST F4, 12 OCT 1978
CAMERA STATION 1326
ISOLATED PURST

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
0.289	33.3	26.6	4.3	-84.7	1.7	-103.4	-70.2
5.109	47.1	39.2	12.4	-78.4	4.6	-98.2	-51.1
9.929	54.9	45.1	18.3	-63.8	8.5	-94.1	-39.2

DIRT MISSION CODE FB
 TEST FB, 13 OCT 1978
 CAMERA STATION 1326
 ISOLATED BURST

TIME (SEC)	STEM WIDTH (M)	CLOUD WIDTH (M)	HT AT CLOUD TOP (M)	CLOUD CENTROID		STEM EDGE	
				X (M)	Z (M)	LEFT (M)	RT (M)
1.064	20.6	20.7	5.1	90.5	2.1	79.5	100.2
5.900	13.9	14.8	13.3	97.6	7.6	94.6	108.6
10.737	18.6	18.7	16.8	96.4	8.8	98.6	107.2
15.573	17.5	24.8	30.2	89.6	19.5	89.3	106.8
20.410	16.5	28.8	33.8	87.2	22.7	88.2	104.7
25.246	15.8	35.2	47.2	82.9	25.5	88.4	104.1
30.083	20.5	32.2	60.0	81.6	38.3	82.1	102.6
34.919	28.6	39.9	59.7	80.7	40.3	76.4	105.0
39.756	23.9	39.9	68.2	78.1	46.7	77.3	101.2
44.592	26.9	44.6	74.0	73.6	48.9	72.9	99.8
49.428	29.0	46.0	82.3	71.7	55.3	72.0	101.0
54.265	20.4	49.7	92.2	74.7	60.6	75.5	95.9
59.101	24.8	51.3	98.0	69.4	68.5	71.8	96.6
63.938	26.8	59.7	104.8	68.0	73.7	68.4	95.2

REDUCTION PROCEDURES

D. SMOKE FROM FIRE TESTS

Up to five frames from each G event film record were selected to illustrate growth of the smoke cloud. Prints of these frames are presented together with corresponding graphs of major smoke area outlines. Graphs were scaled from film measurements by application of Eq. (1). Comparison of a point with its outline graph allows easy scaling of other smoke areas or points, if desired.

EVENT G-1

TABLE IV

INDEX OF FIRE TEST DATA SMOKE CLOUD PHOTOGRAPHS & PLOTS

<u>TIME (GMT)</u>	<u>CAMERA STATION</u>	<u>PAGE</u>
1656.	E-1327	D 1 - D 6
	E-1328	D 7 - D 12
1705:30	E-1327	D 13 - D 20
	E-1328	D 21 - D 28
1708:50	E-1327	D 29 - D 34
	E-1328	D 35 - D 38
1711:05	E-1327	D 39 - D 42
	E-1328	D 43 - D 48
1713:55	E-1327	D 49 - D 52
	E-1328	D 53 - D 58
1716:40	E-1327	D 59 - D 62
	E-1328	D 63 - D 68
1719.	E-1327	D 69 - D 72
1722:55	E-1327	D 73 - D 76
	E-1328	D 77 - D 86
1725:15	E-1327	D 87 - D 90
	E-1328	D 91 - D 94
1727:15	E-1327	D 95 - D 98
	E-1328	D 99 - D104
1729:35	E-1327	D105 - D108
	E-1328	D109 - D114
1732:45	E-1327	D115 - D118
	E-1328	D119 - D124

DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 16 h, 57 m, 14.871 s

page D 1

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

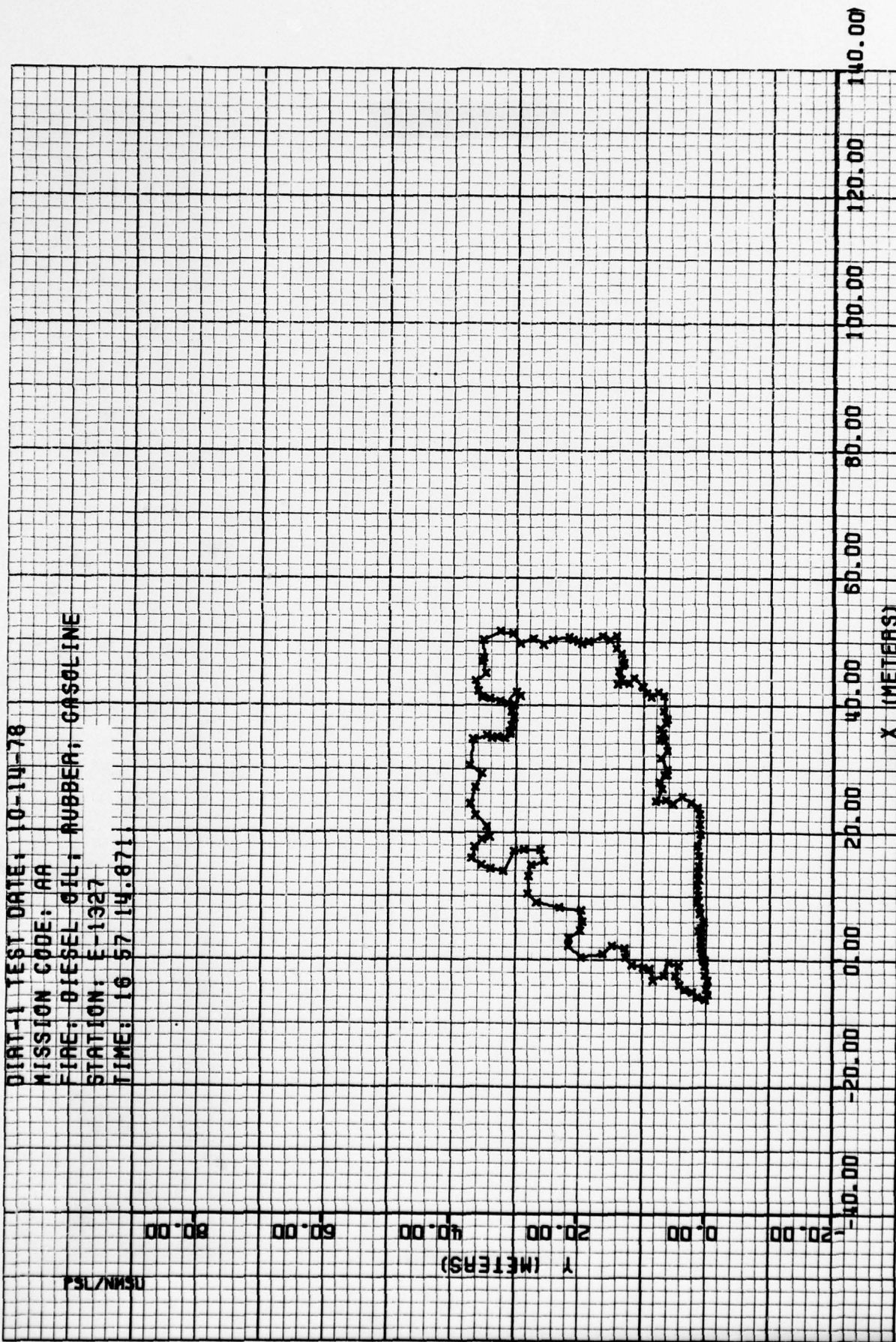
STATION: E-1327

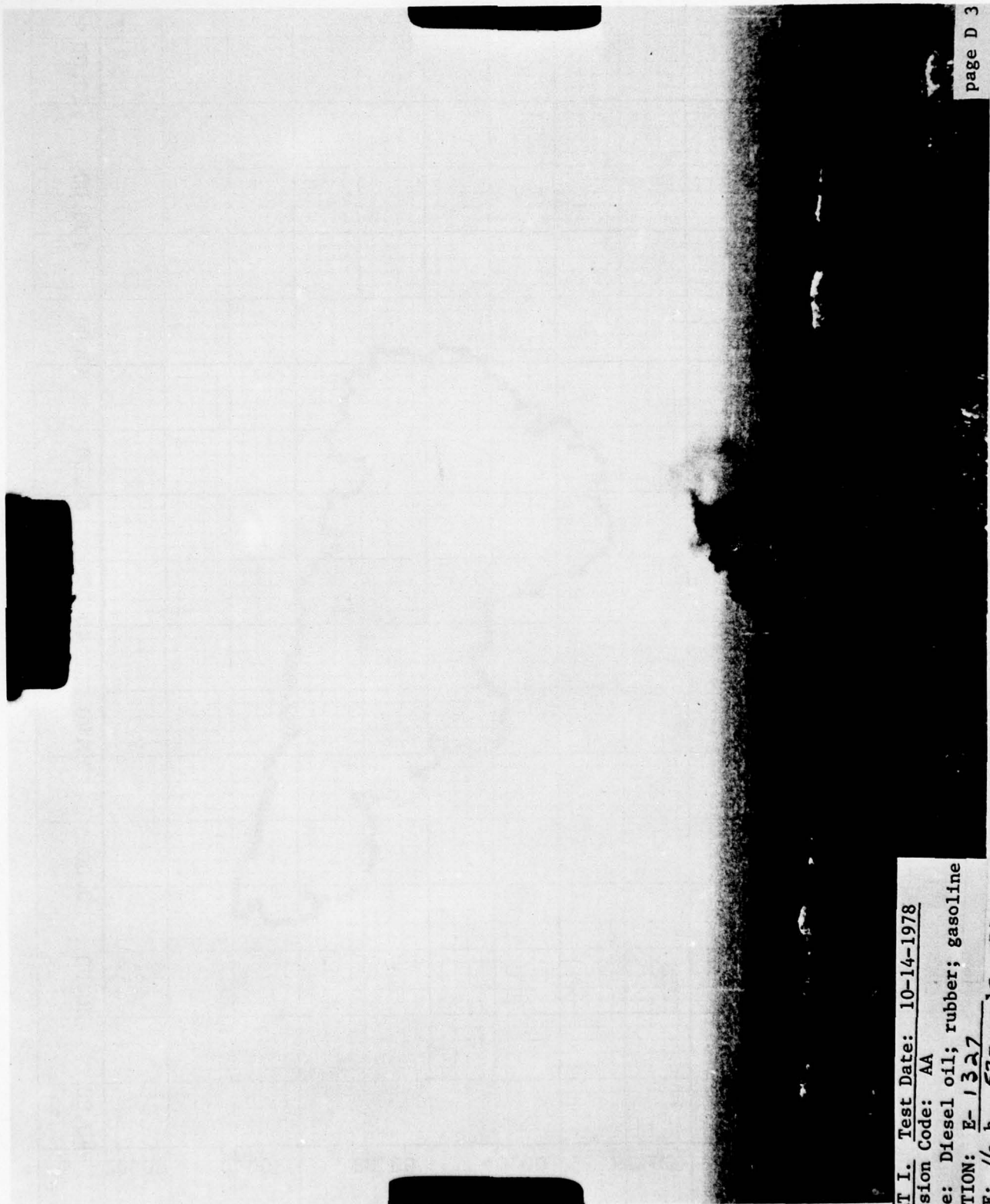
TIME: 16 57 14.671

NSM/NMSU

Y (METERS)

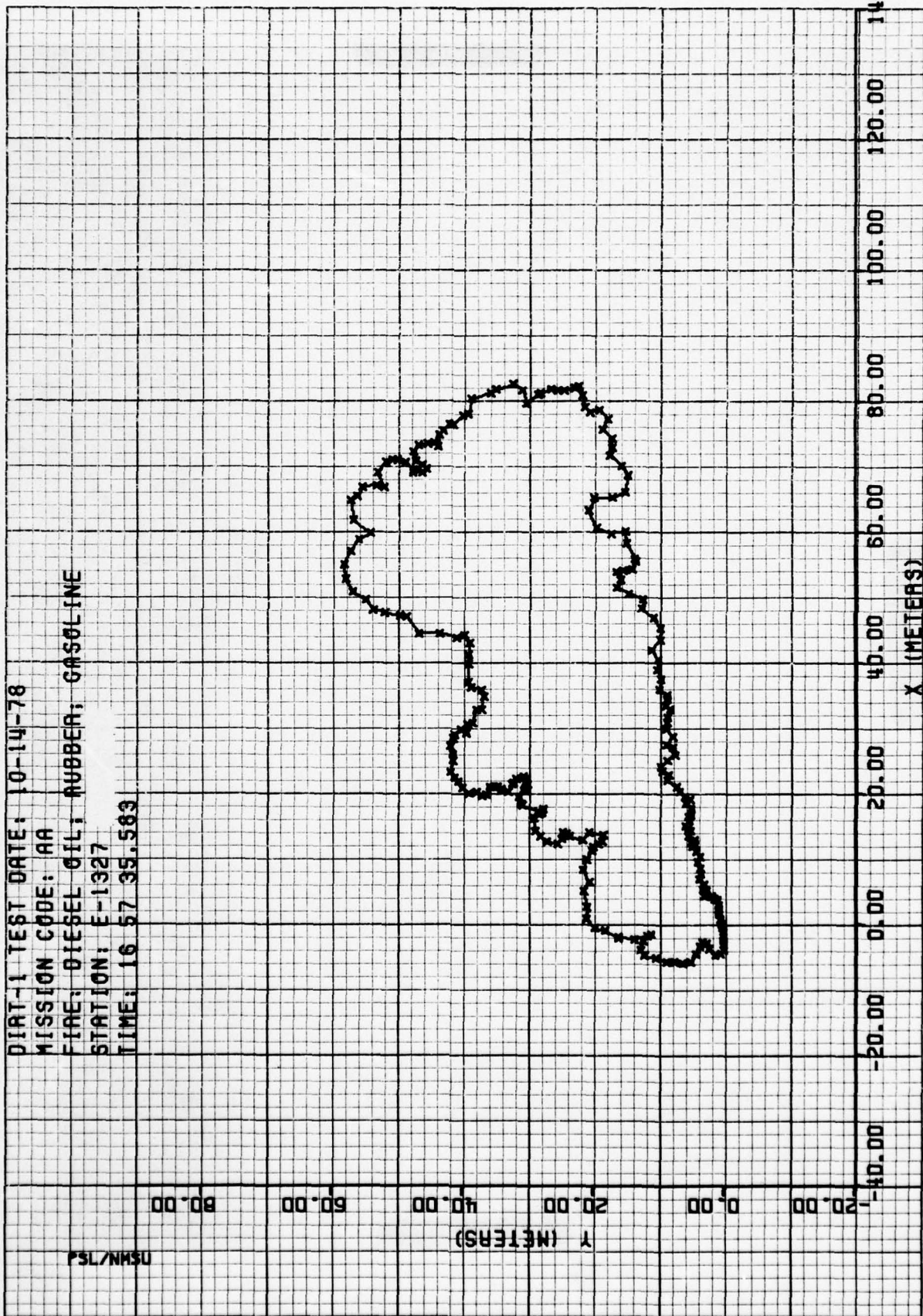
X (METERS)



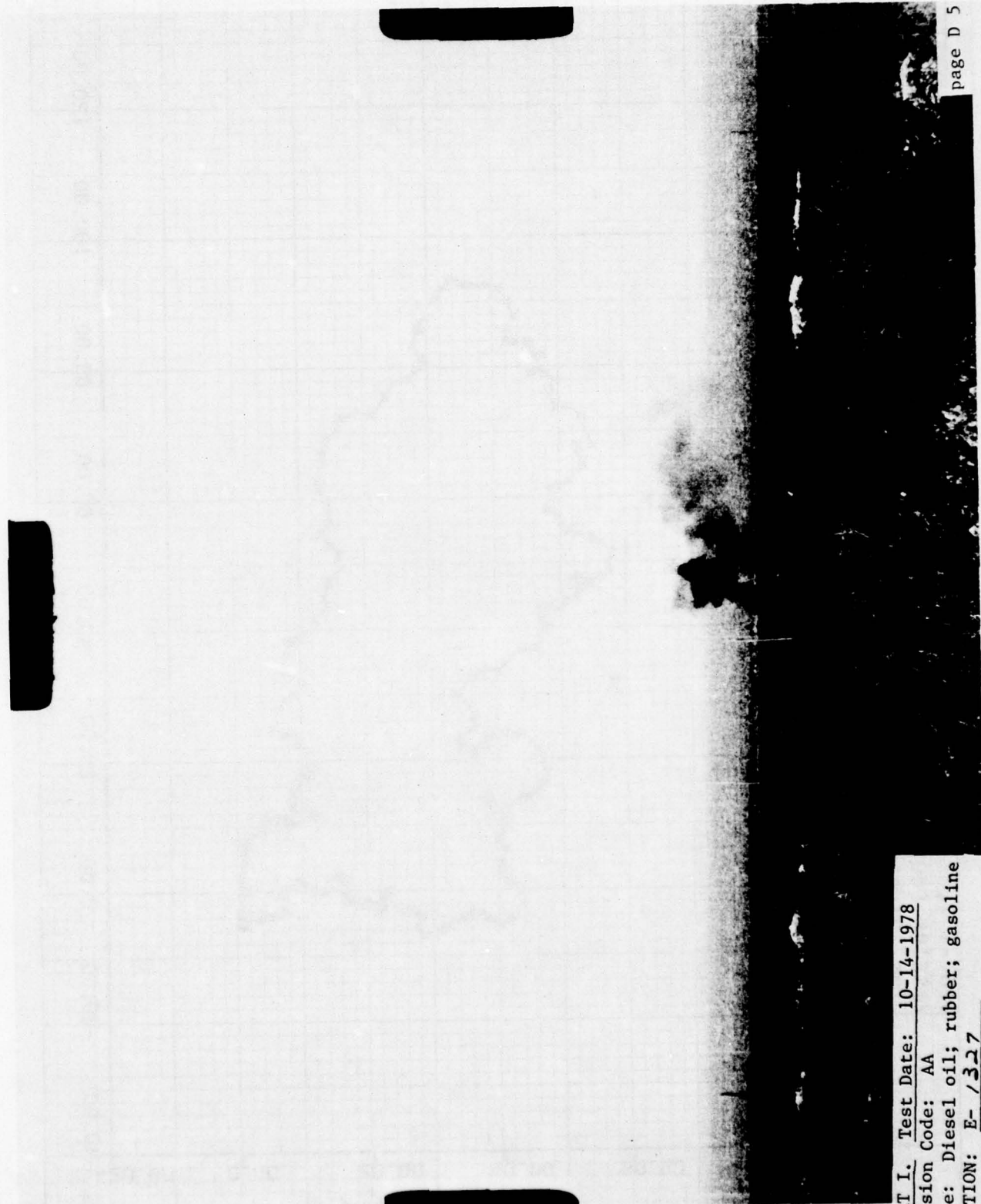


DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 16 h, 57m. 35 202 °

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL, RUBBER, GASOLINE
STATION: E-1327
TIME: 16 57 35.583

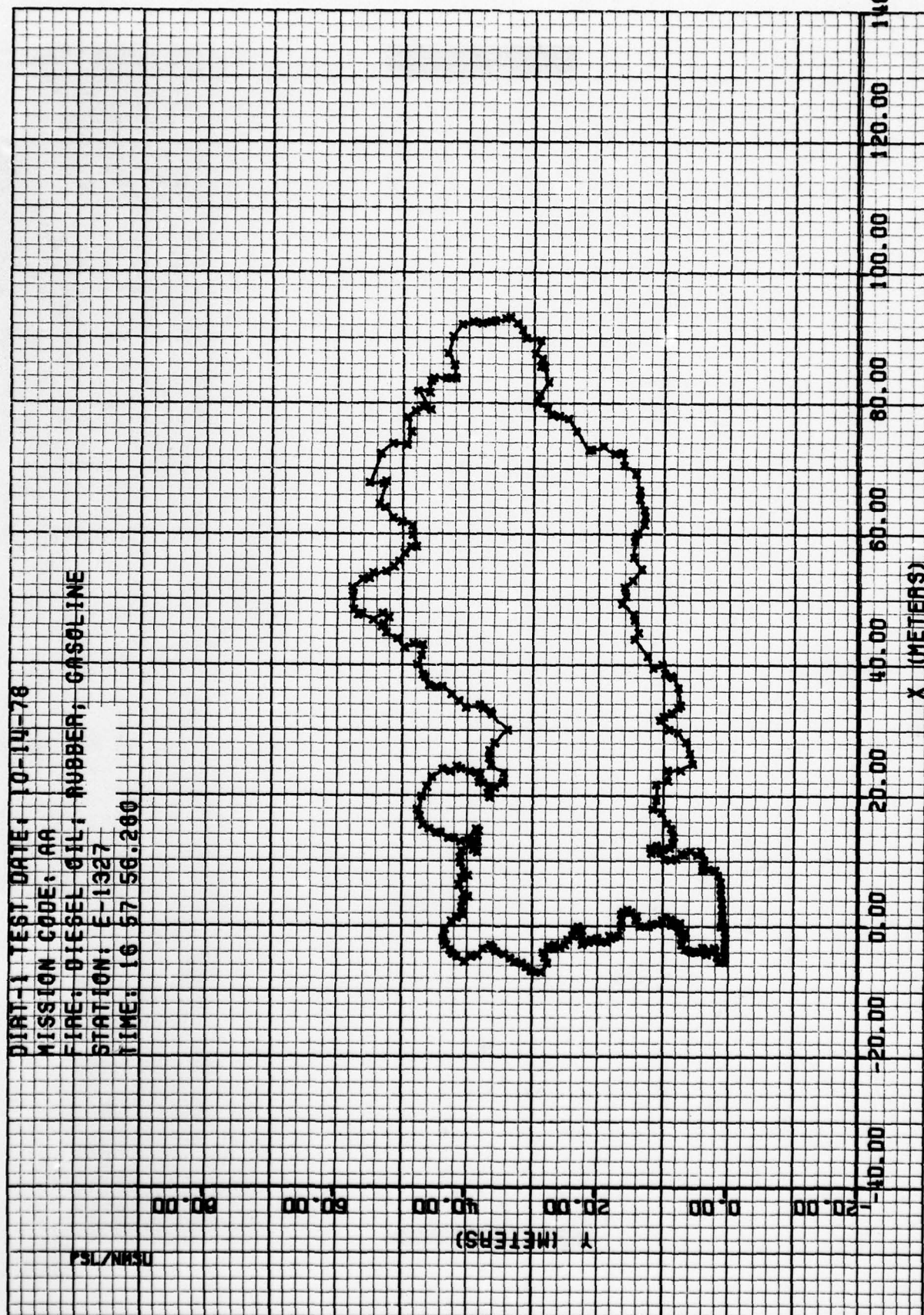


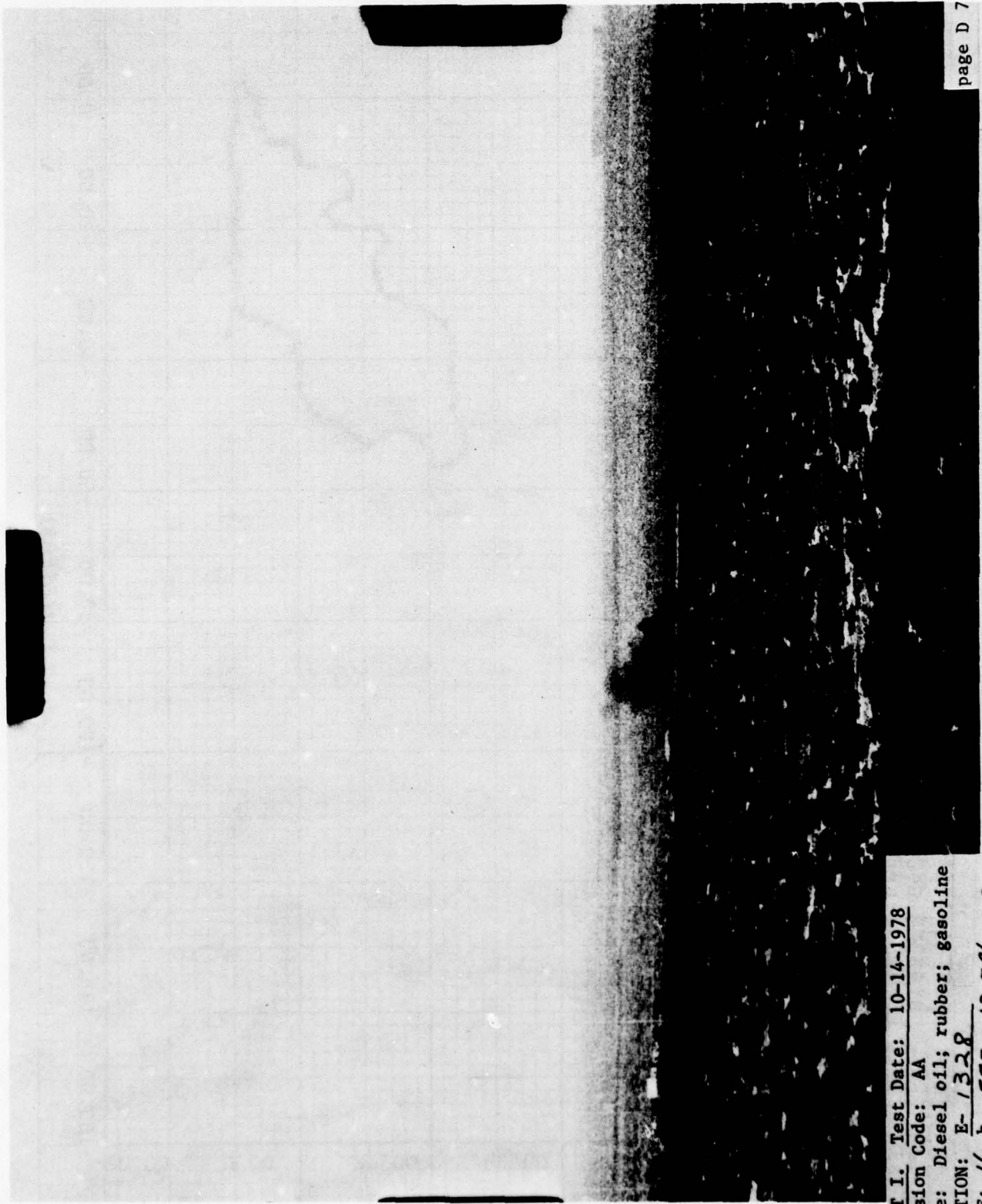
PSL/NMSU



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 16 h, 57 m, 56.280 s

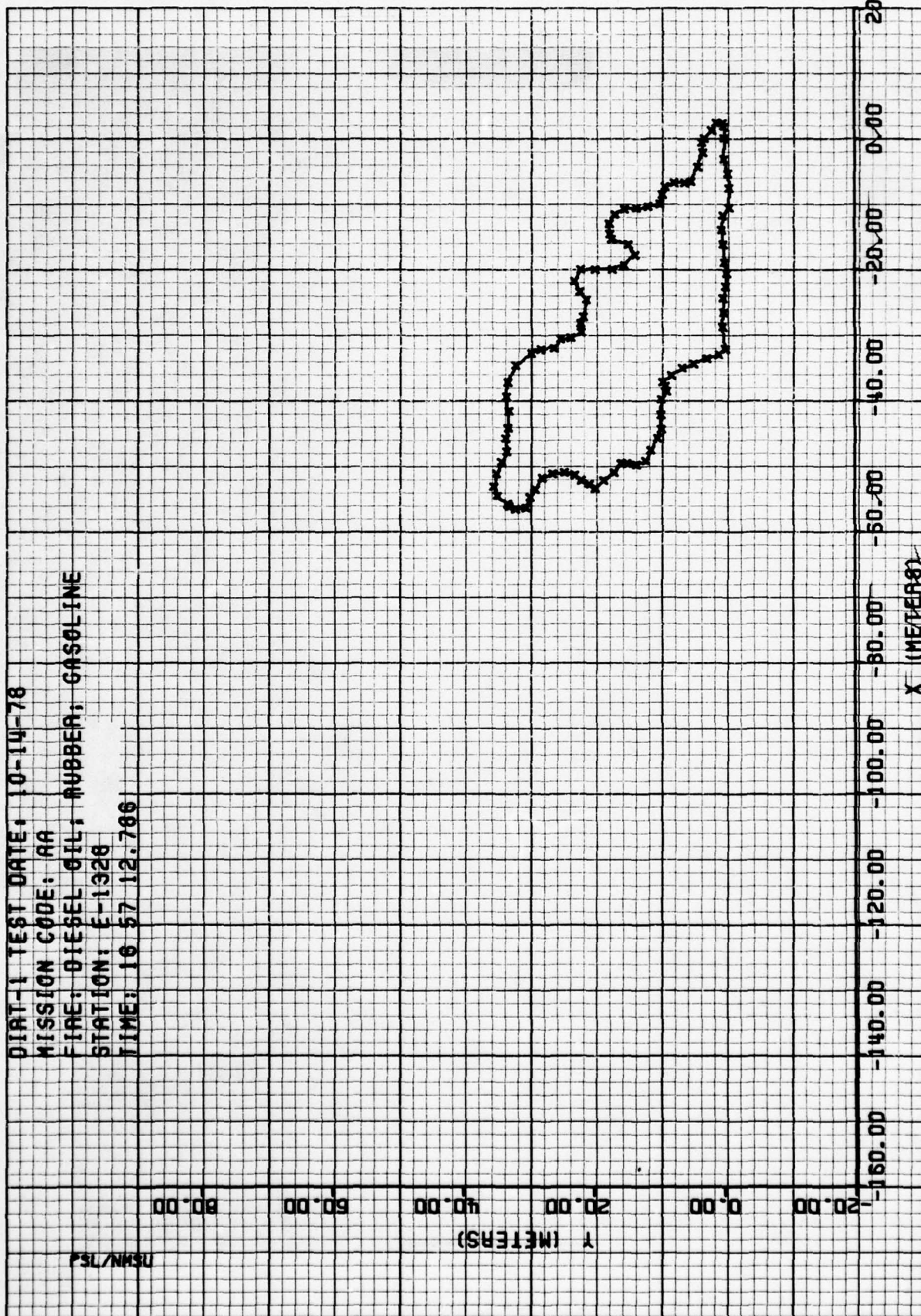
DIRT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 16 57 56.260





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 16 h, 57 m, 12.786 s

TIME: 10 57 12.786





DLKT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E- 1328
TIME: 16 h, 57m, 32.250 s

DIAT-1 TEST DATE: 10-14-78

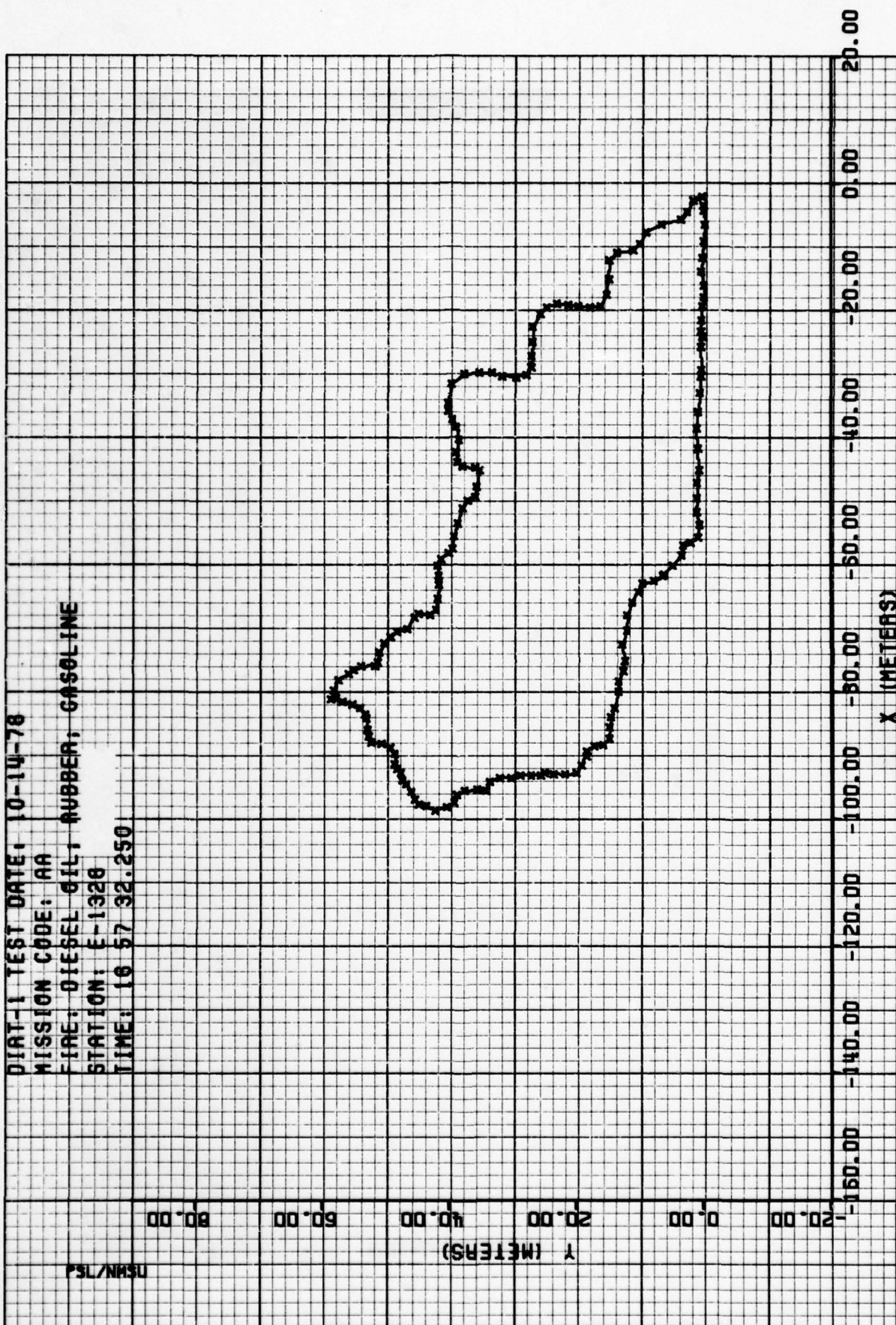
MISSION CODE: AA

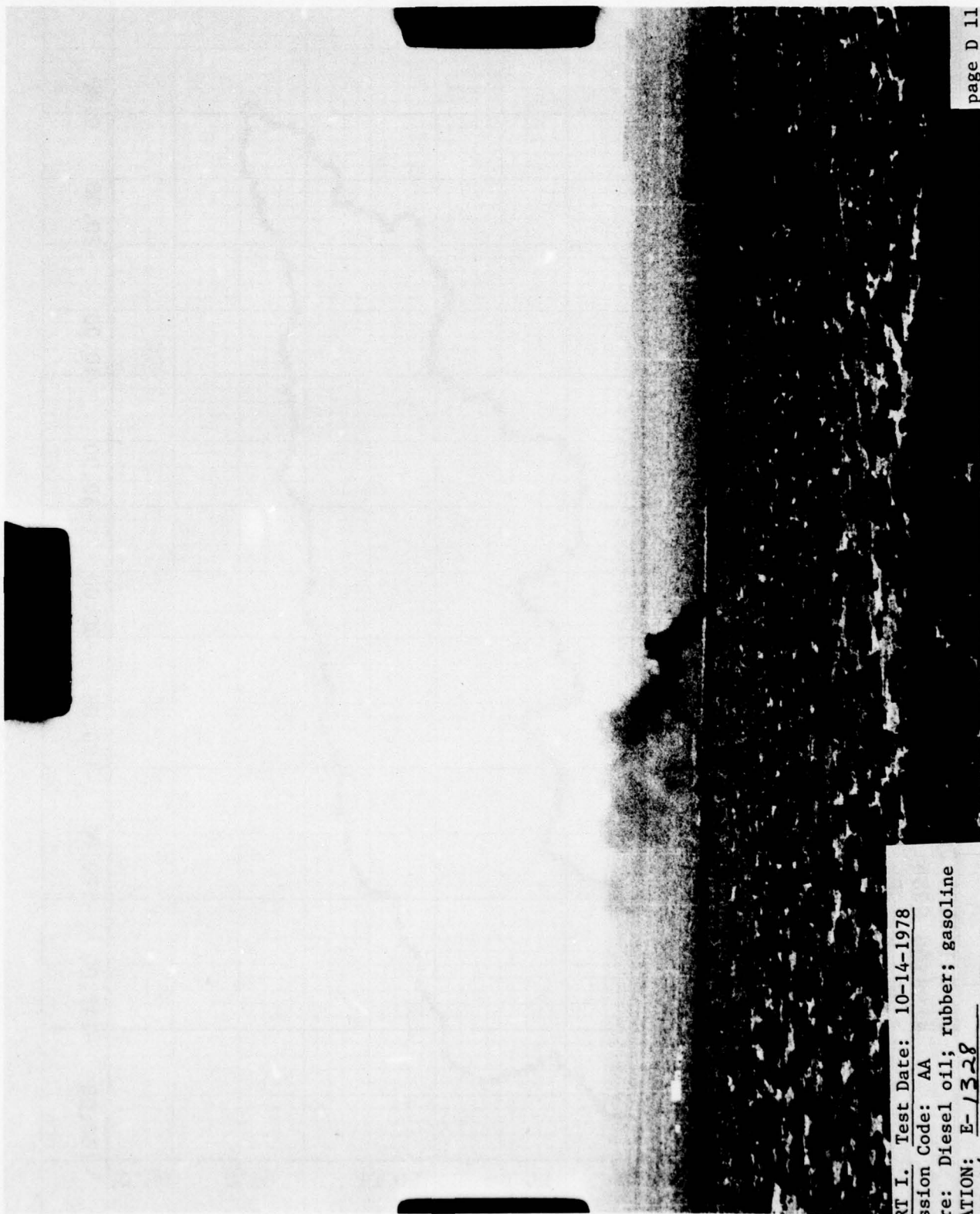
FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

TIME: 16 57 32.250

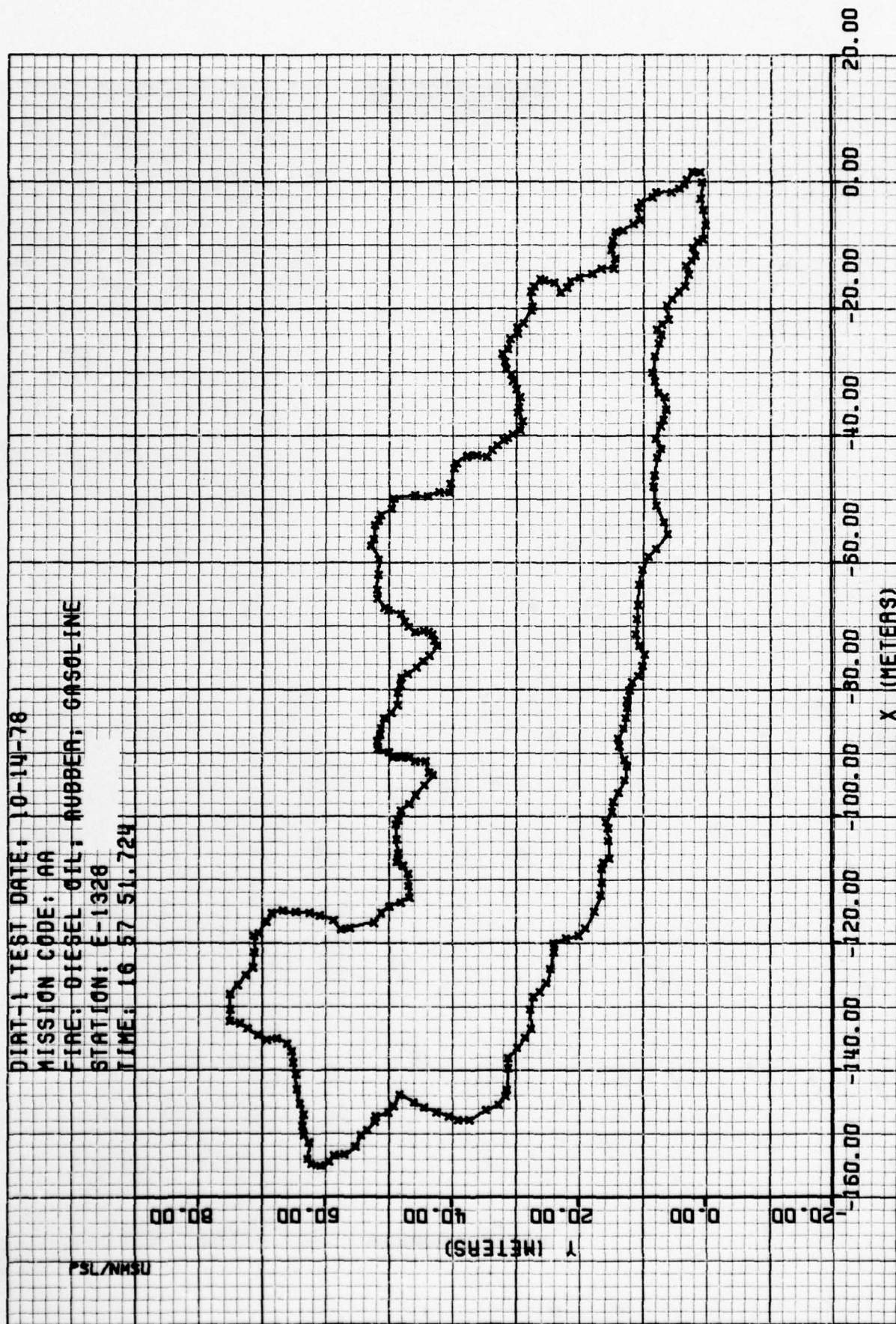
PSL/NHSL

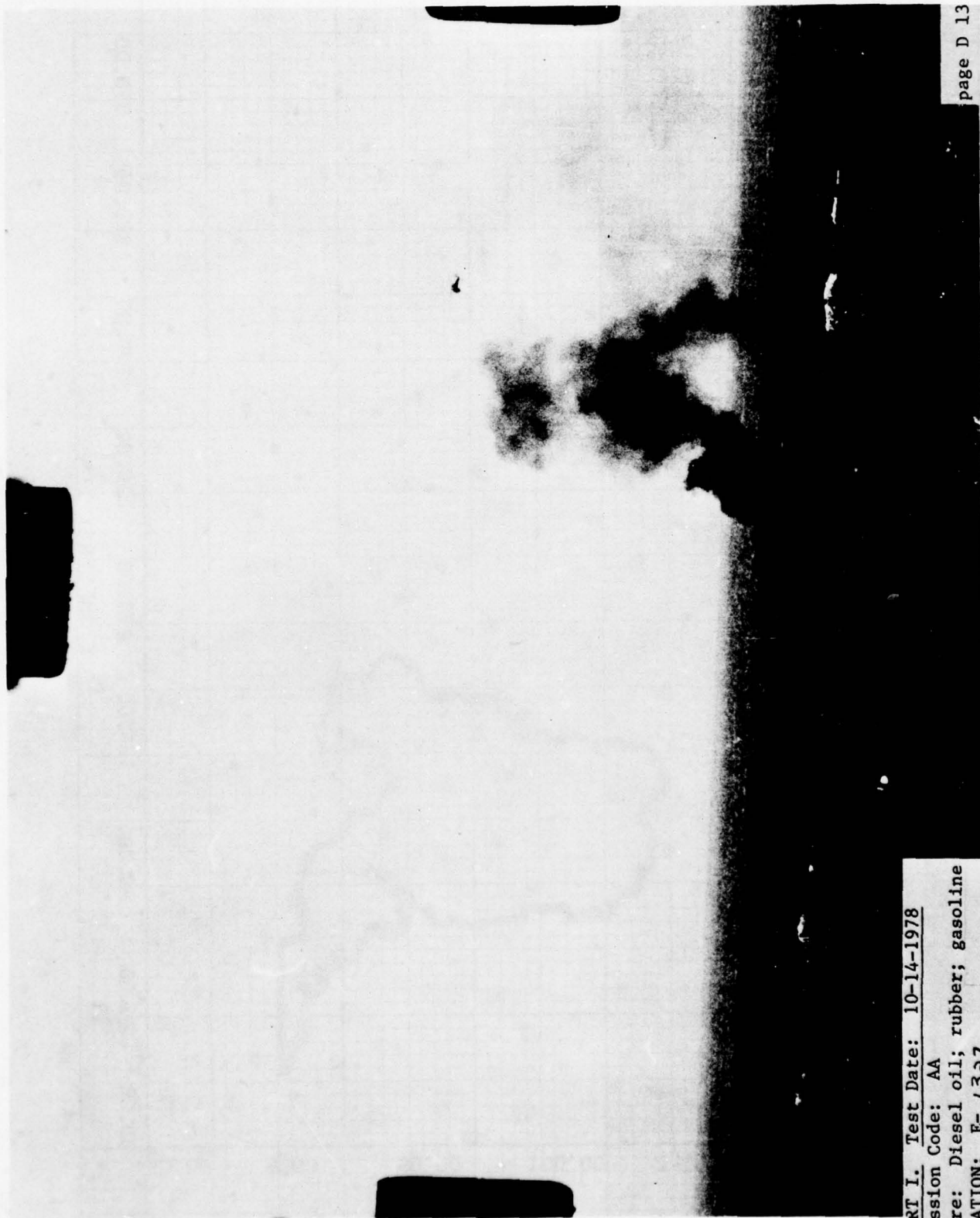




DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 16 h, 57 m, 51.724 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 16 57 51.724





UIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 05 m, 28.230 s

DIRT-1 TEST DATE: 10-14-78

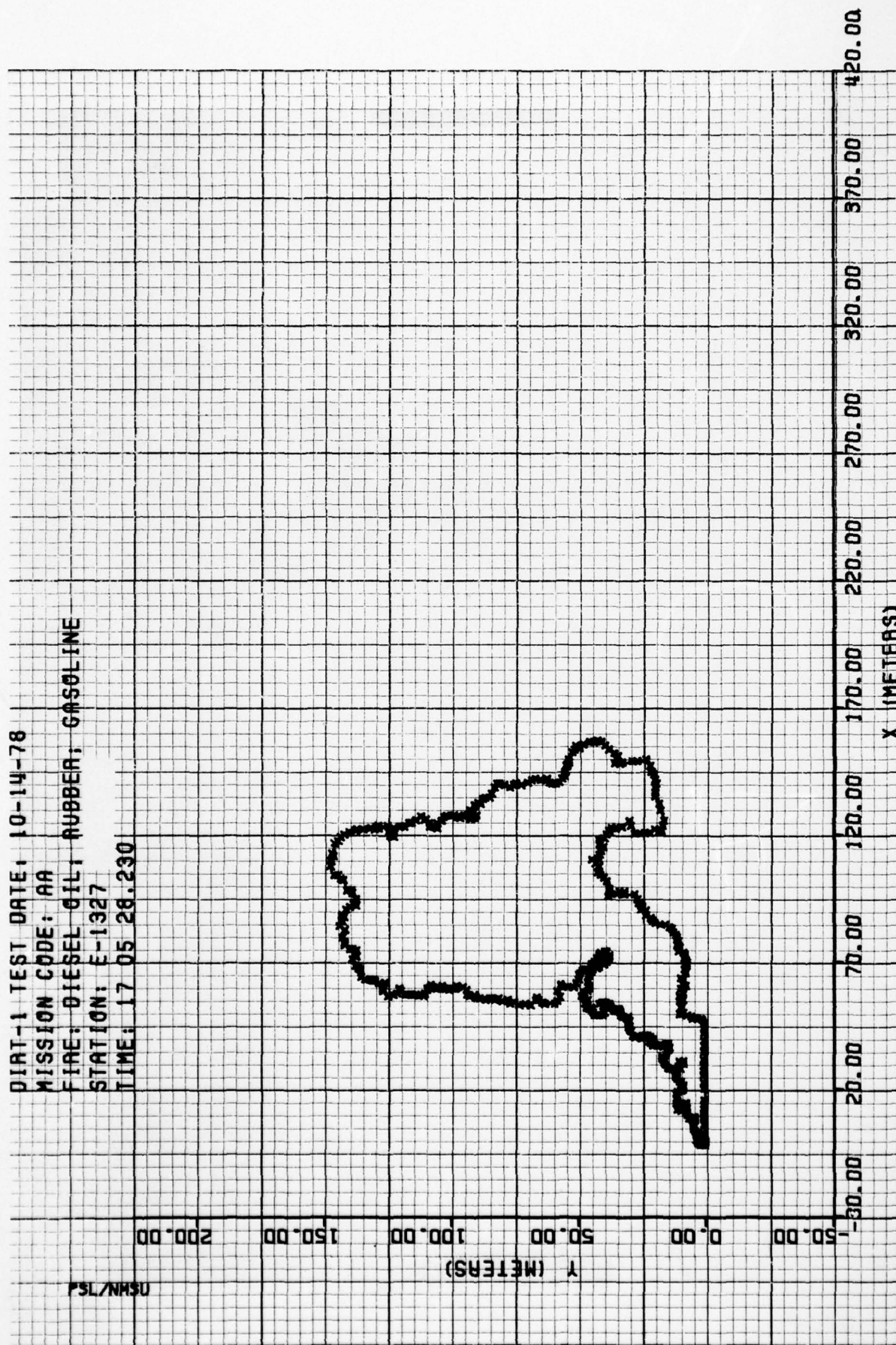
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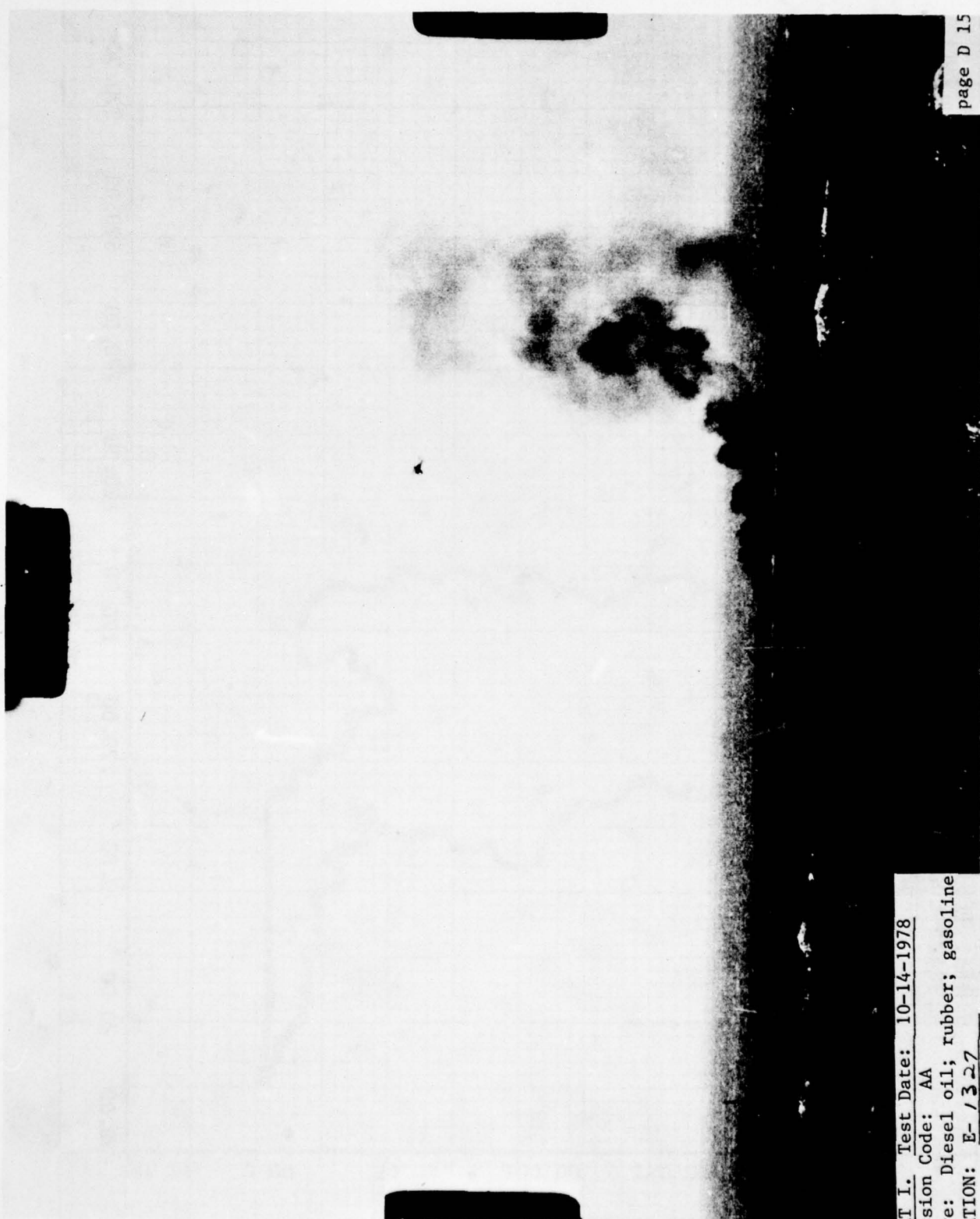
FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1327

TIME: 17 05 28.230

PSL/NHSU



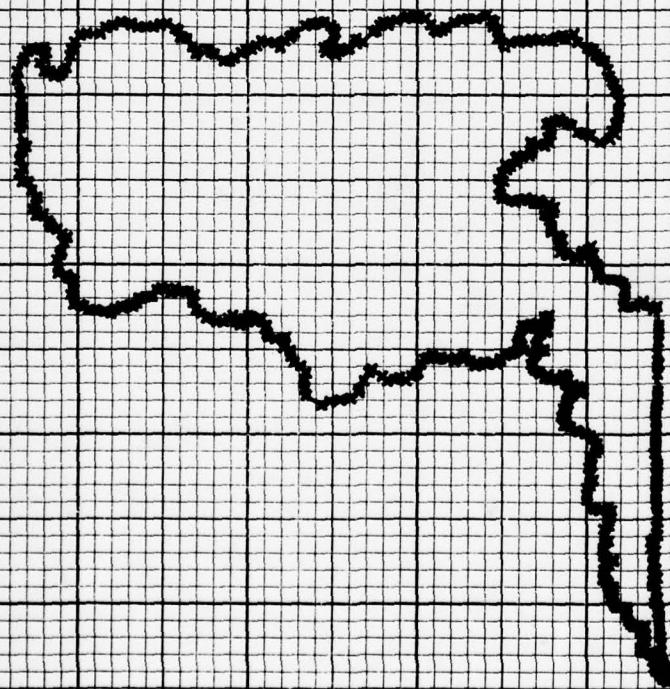


DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 05 m, 48.939 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL, RUBBER, GASOLINE
STATION: E-1327
TIME: 17 05 46.939

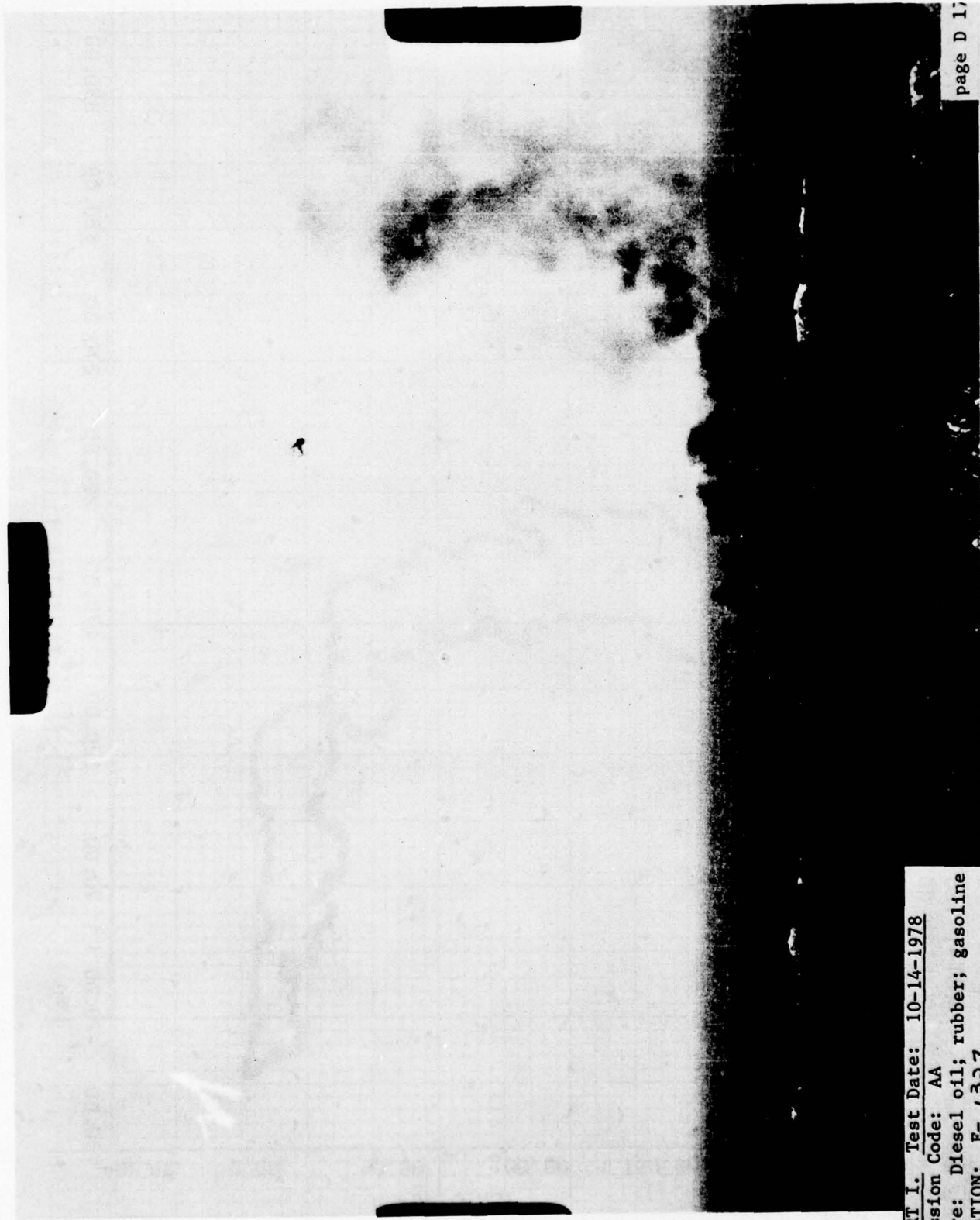
PSL/NHSU

Y (METERS) 50.00 100.00 150.00 200.00



X (METERS)

50.00 100.00 150.00 200.00 250.00 300.00 350.00 400.00



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 06 m, 09.619 s

PIAT-1 TEST DATE: 10-14-78

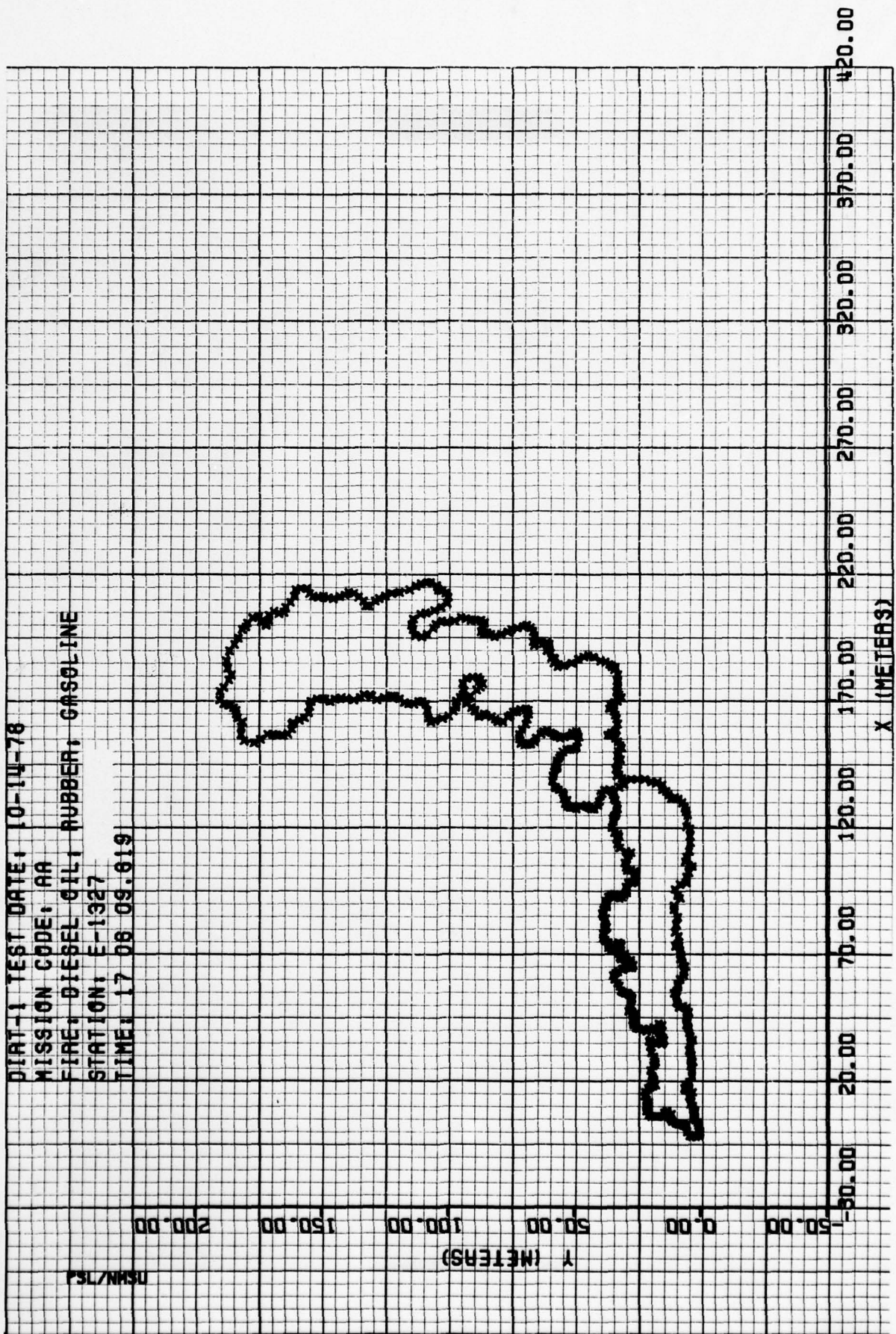
MISSION CODE: AA

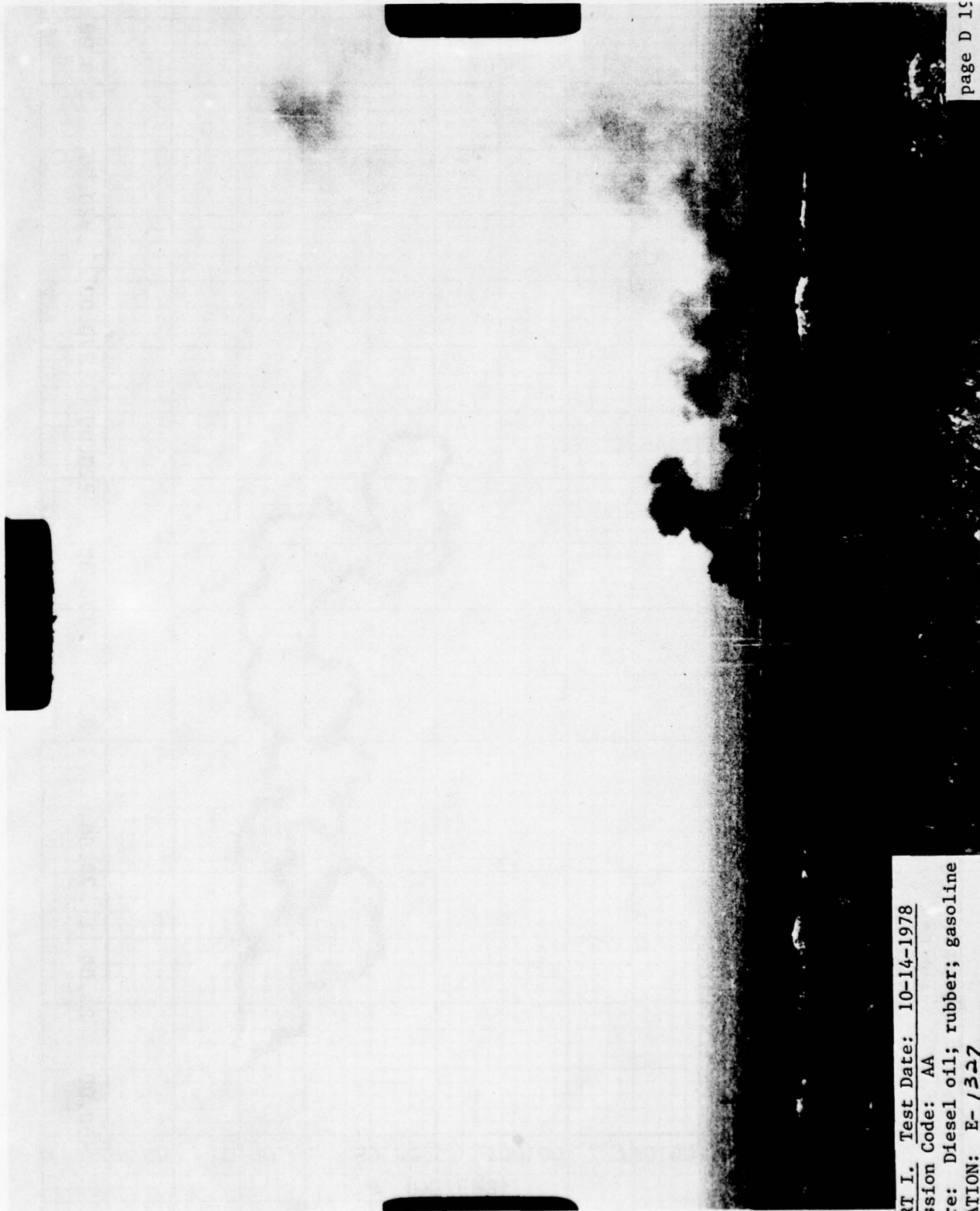
FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1327

TIME: 17 08 09.619

PSL/NHSU





DIRT I. Test Date: 10-14-1978

Mission Code: AA

Fire: Diesel oil; rubber; gasoline

STATION: E-1327

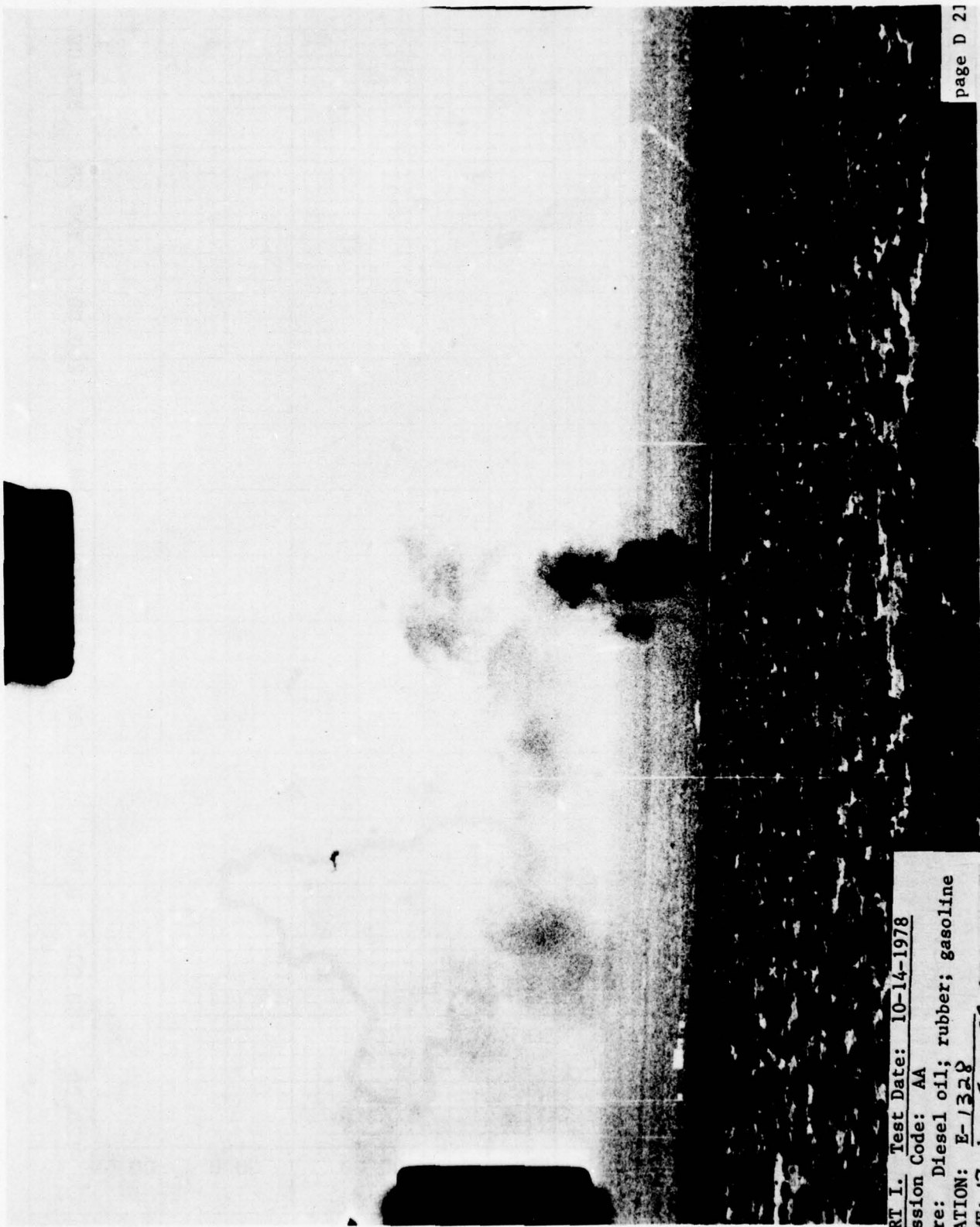
TIME: 17 h, 06 m, 30.287 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 06 30.287

PSL/NMSU

Y (METERS)

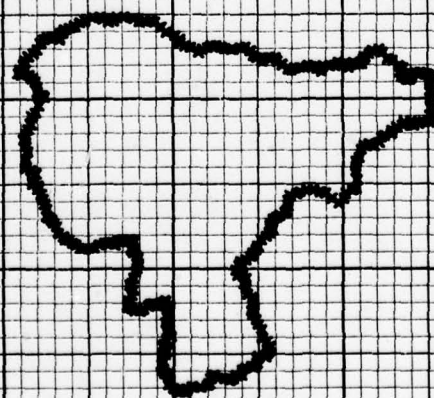
X (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 05 m, 28.853 s

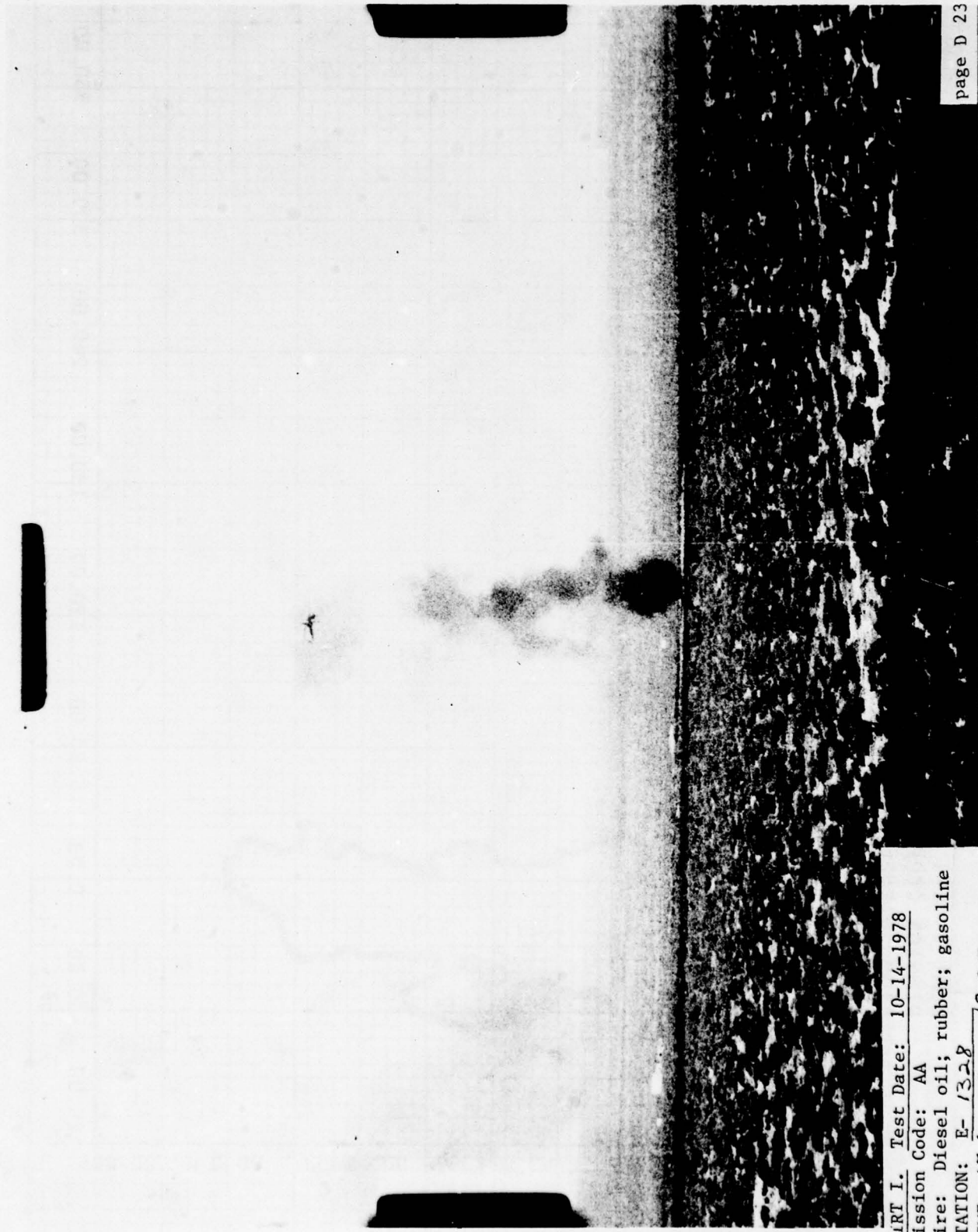
DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 05 28.853

PSL/MSU



Y (METERS) 240.00 180.00 120.00 60.00 0.00 -60.00 -120.00

X (METERS) 60.00 120.00 180.00 240.00 300.00 360.00 420.00



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-13.28
TIME: 17 h, 05 m, 48.350 s

DIRT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1326

TIME: 17 05 48.350

PSL/NMSU

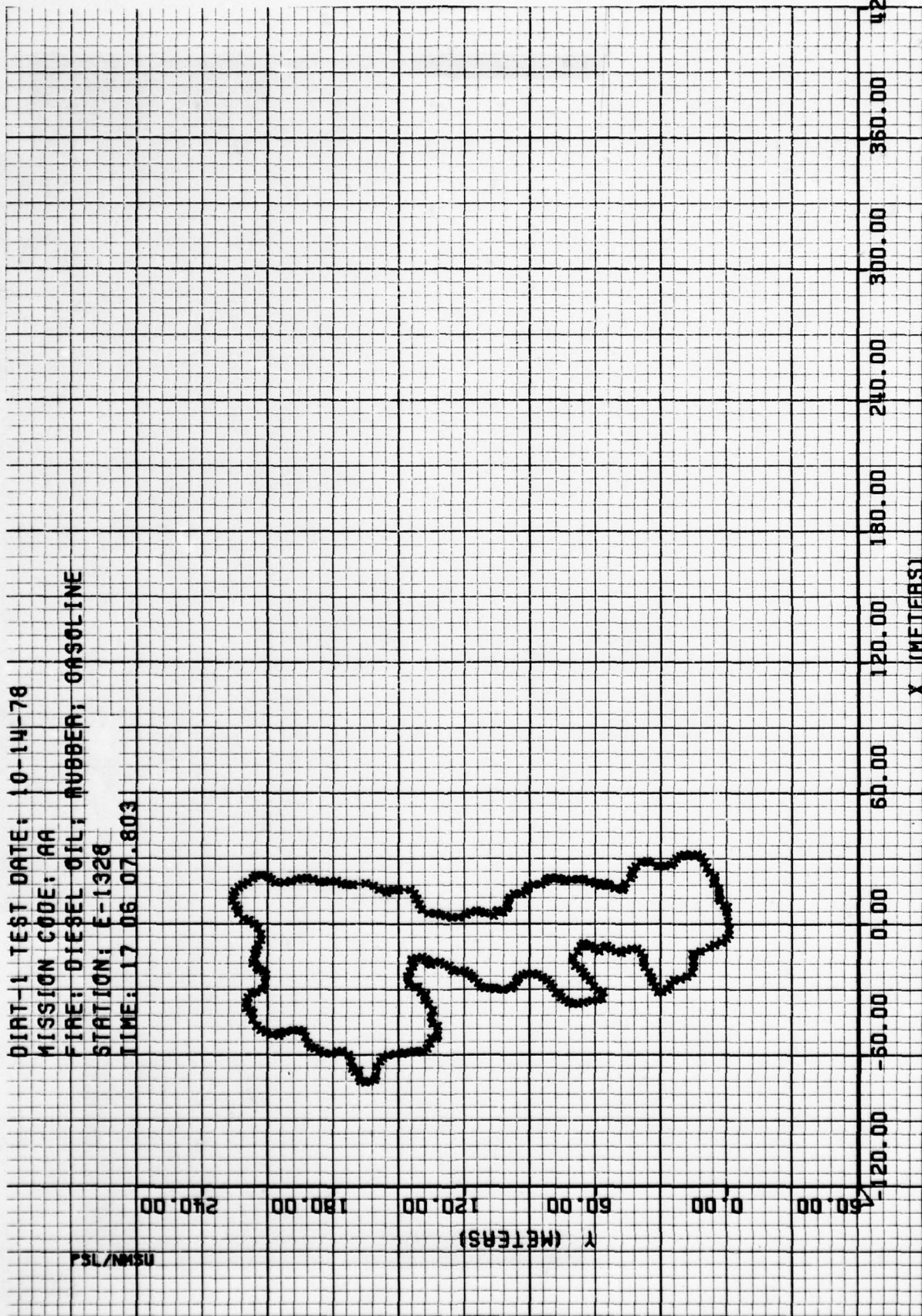
Y (METERS)

X (METERS)

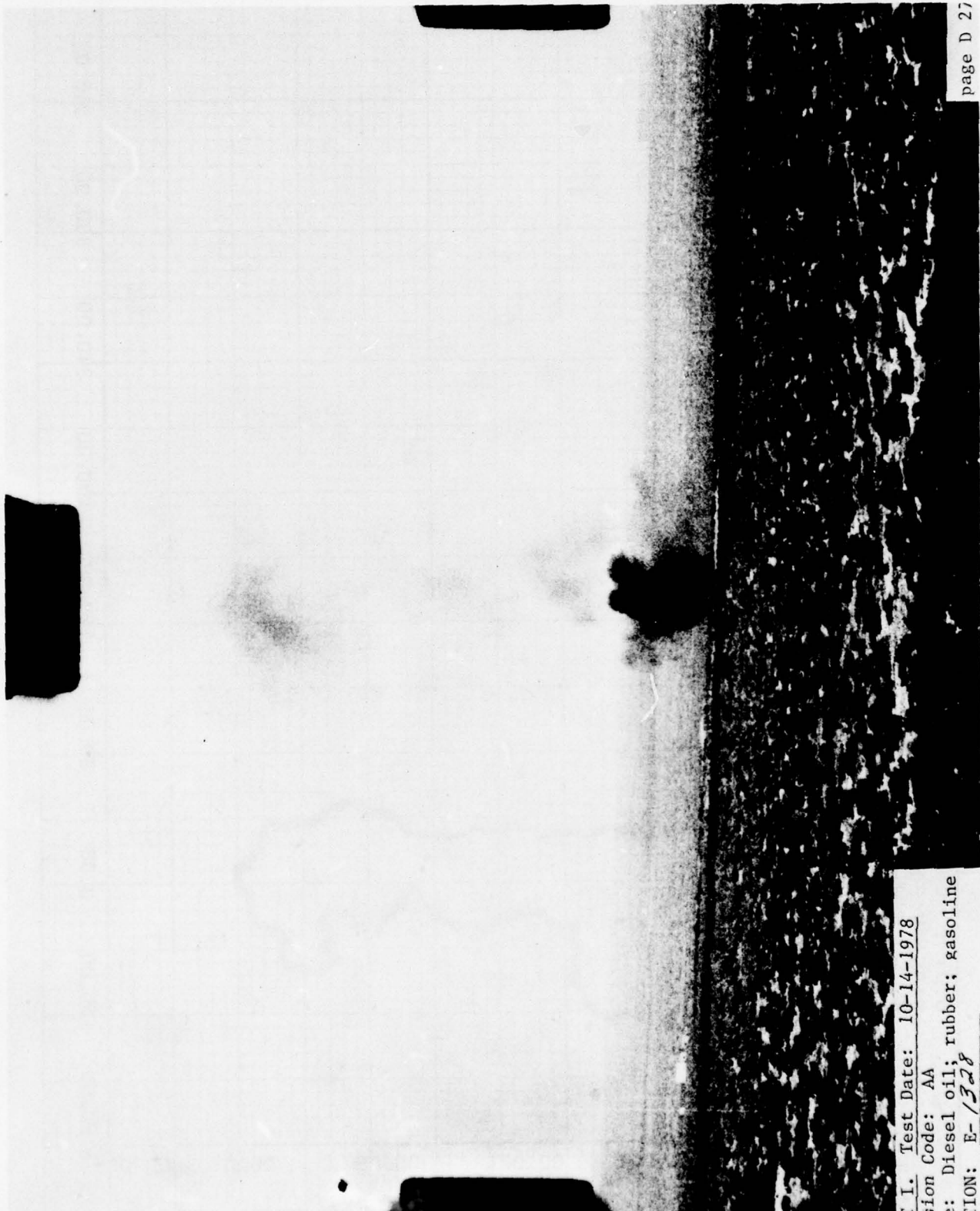


DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-132P
TIME: 17 h, 06 m, 07.803 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 06 07.803



PSL/NMSU



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 06 m, 27.250 s

DIAT-1 TEST DATE: 10-14-78
 MISSION CODE: RA
 FIRE: DIESEL OIL; RUBBER; GASOLINE
 STATION: E-1328
 TIME: 17 06 27.250

PSL/NMSU

240.00

180.00

120.00

60.00

0.00

-60.00

-120.00

Y (METERS)

X (METERS)

420.00

360.00

300.00

240.00

180.00

120.00

60.00

0.00

-60.00

-120.00

DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 08 m, 49.247 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 08 49.247

PSL/NMSU

200.00

150.00

100.00

50.00

0.00

-50.00

-10.00

10.00

50.00

110.00

150.00

210.00

260.00

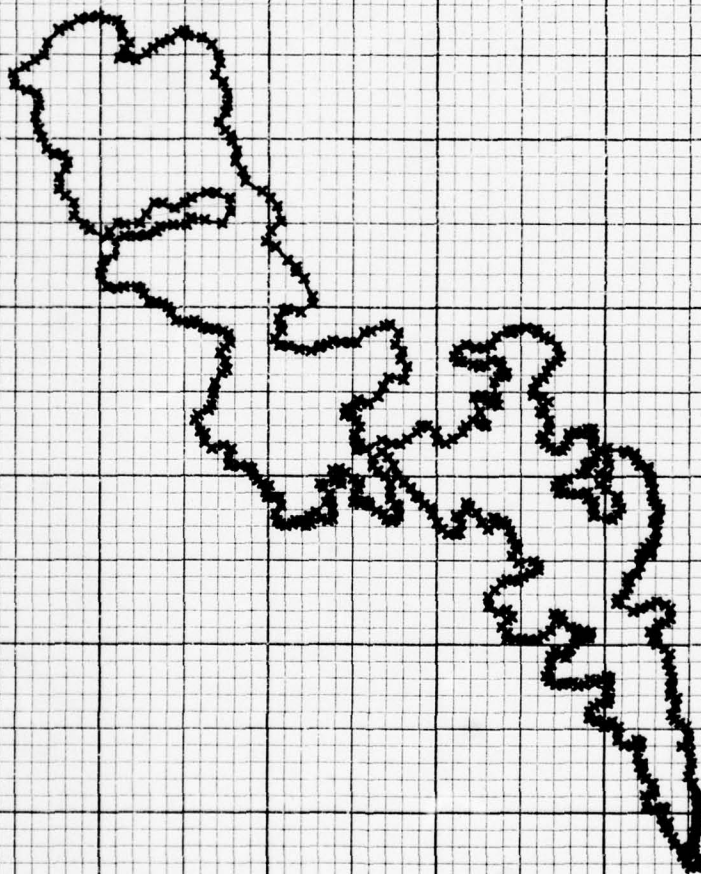
310.00

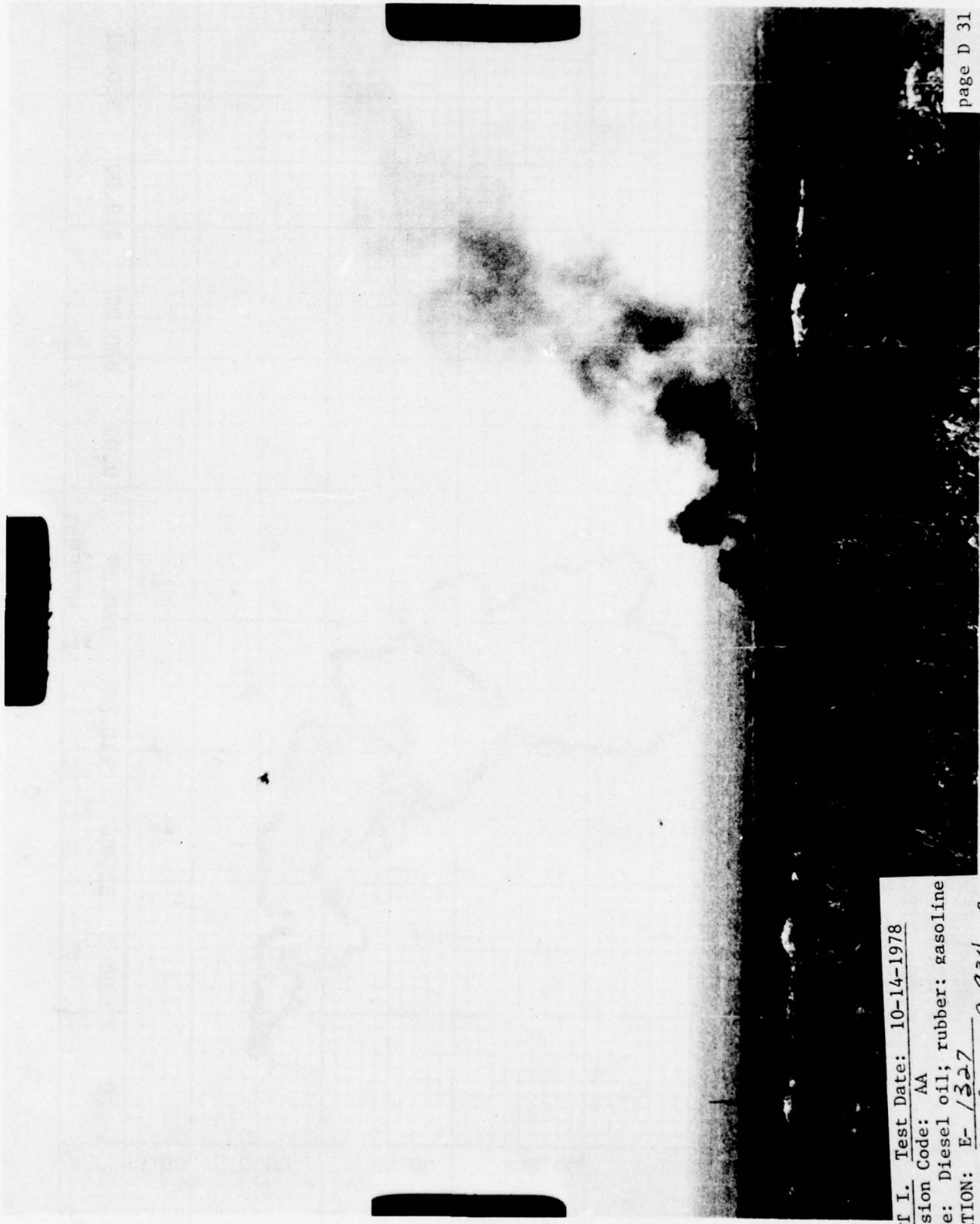
360.00

410.00

X (METERS)

Y (METERS)

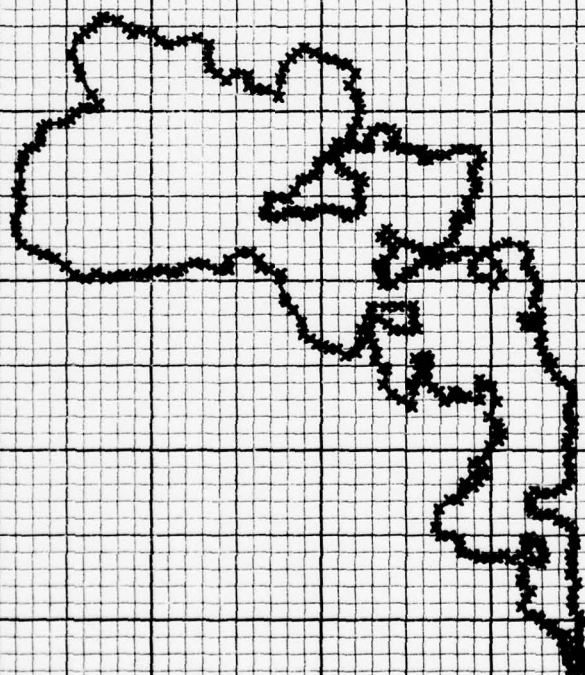




DIRF I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber: gasoline
STATION: E-1327
TIME: 17 h, 09 m, 09.934 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 09 09.93u

P5L/NH8U



Y (METERS) 0.00 50.00 100.00 150.00 200.00

X (METERS) 10.00 60.00 110.00 160.00 210.00 260.00 310.00 360.00 410.00



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 09 m, 30.600 s

DIAT-1 TEST DATE: 10-14-78

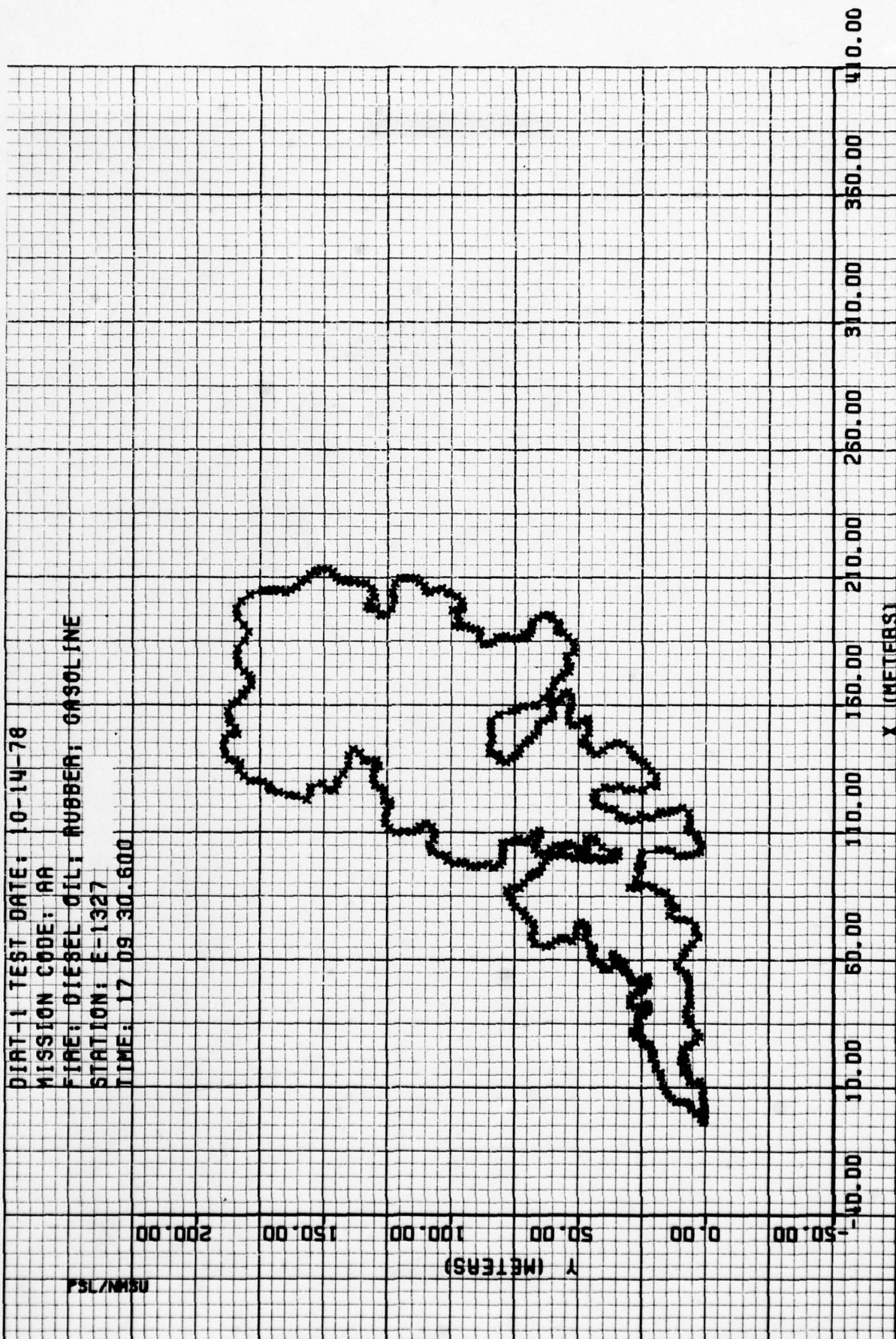
MISSION CODE: AA

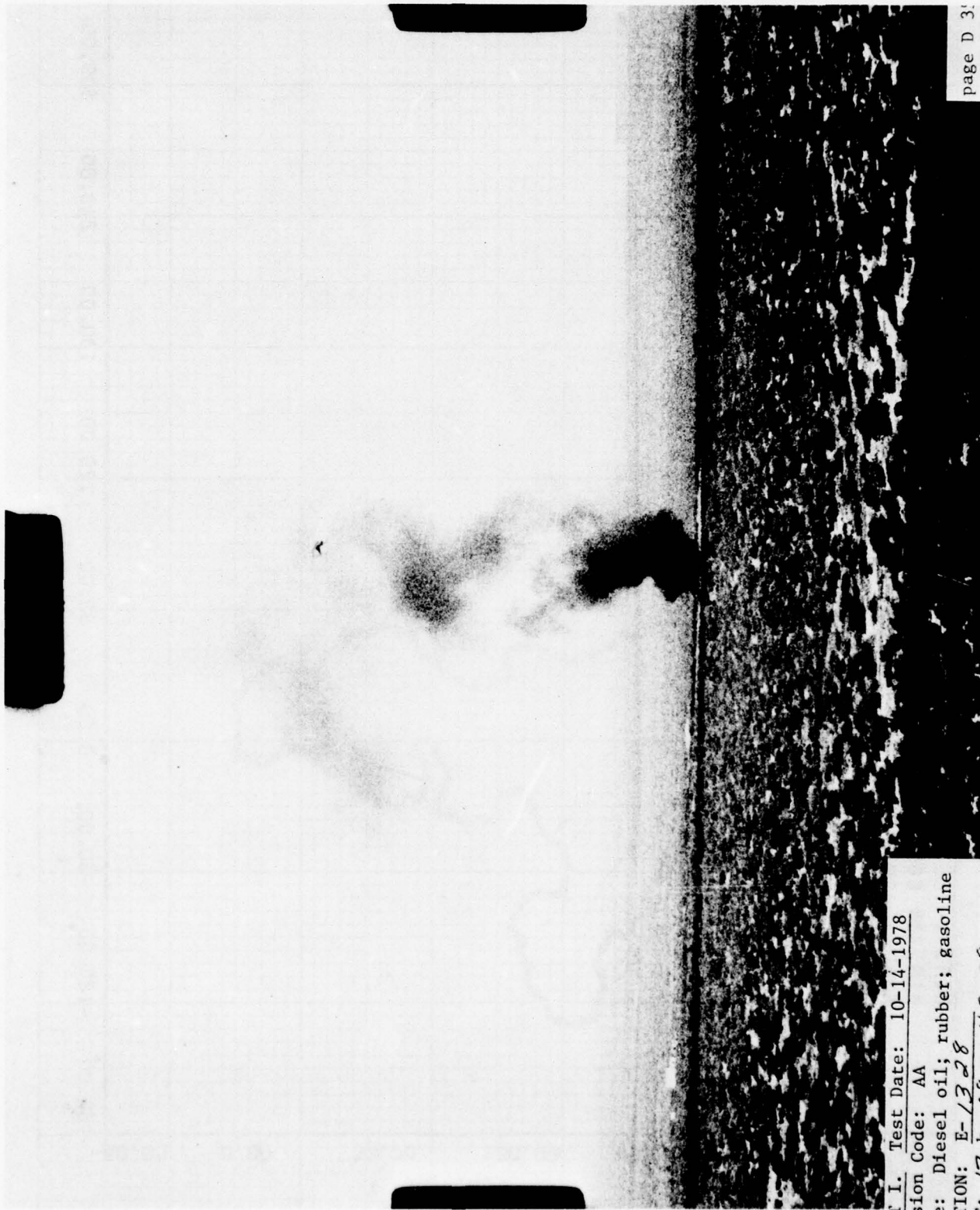
FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 09 30.600

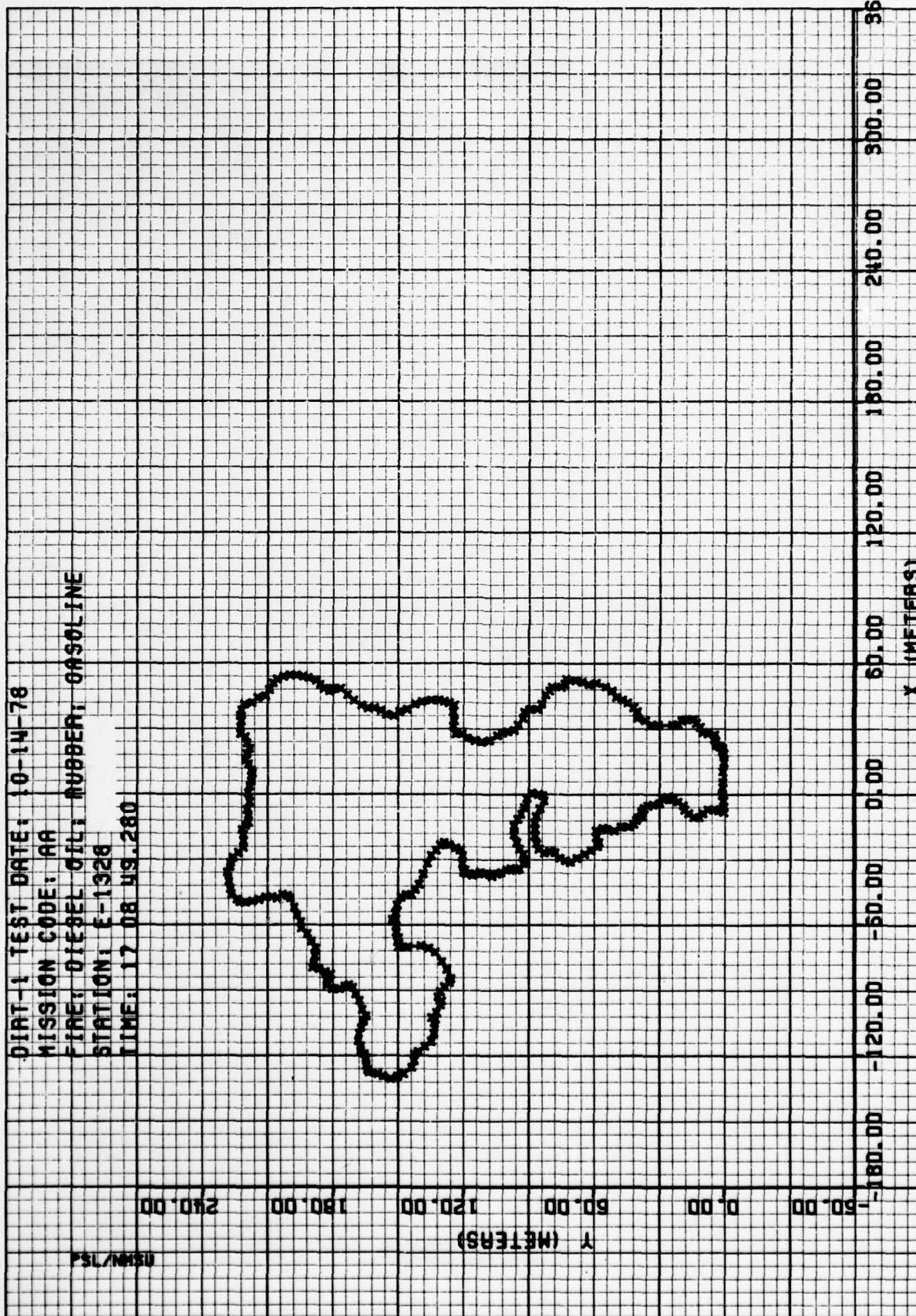
PSL/MBSU

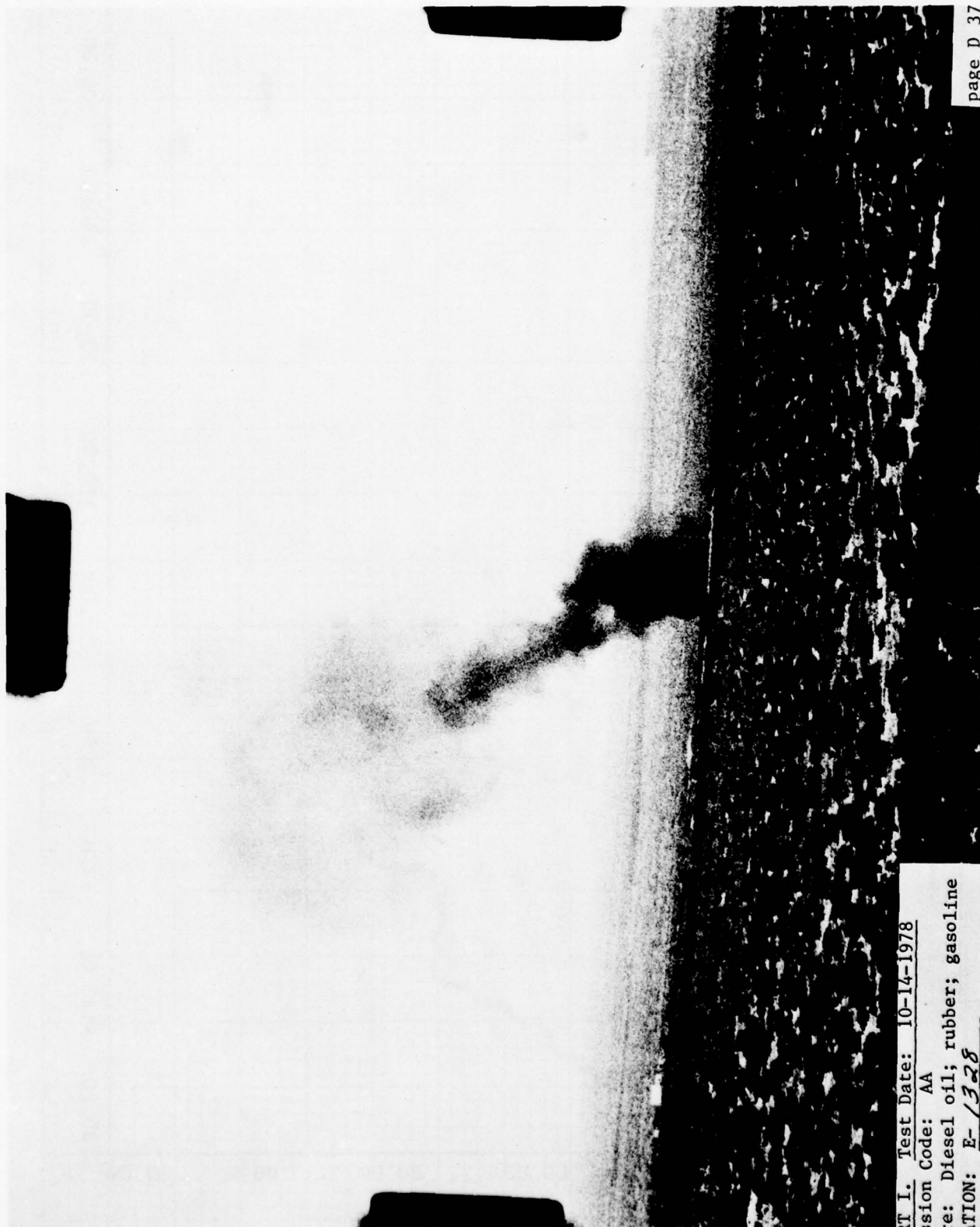




DUK I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 08 m, 49.280 s

DIAT-1 TEST DATE: 10-14-78
 MISSION CODE: AA
 FIRE: DIESEL OIL; RUBBER; GASOLINE
 STATION: E-1328
 TIME: 17 08 49.280





DIRT L. Test Date: 10-14-1978

Mission Code: AA

Fire: Diesel oil; rubber; gasoline

STATION: E-1328

TIME: 17 h, 09 m, 28.260 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

TIME: 17 09 28.200

PSL/MSU

240.00

180.00

120.00

60.00

0.00

-60.00

-120.00

-180.00

-240.00

-300.00

-360.00

-420.00

-480.00

-540.00

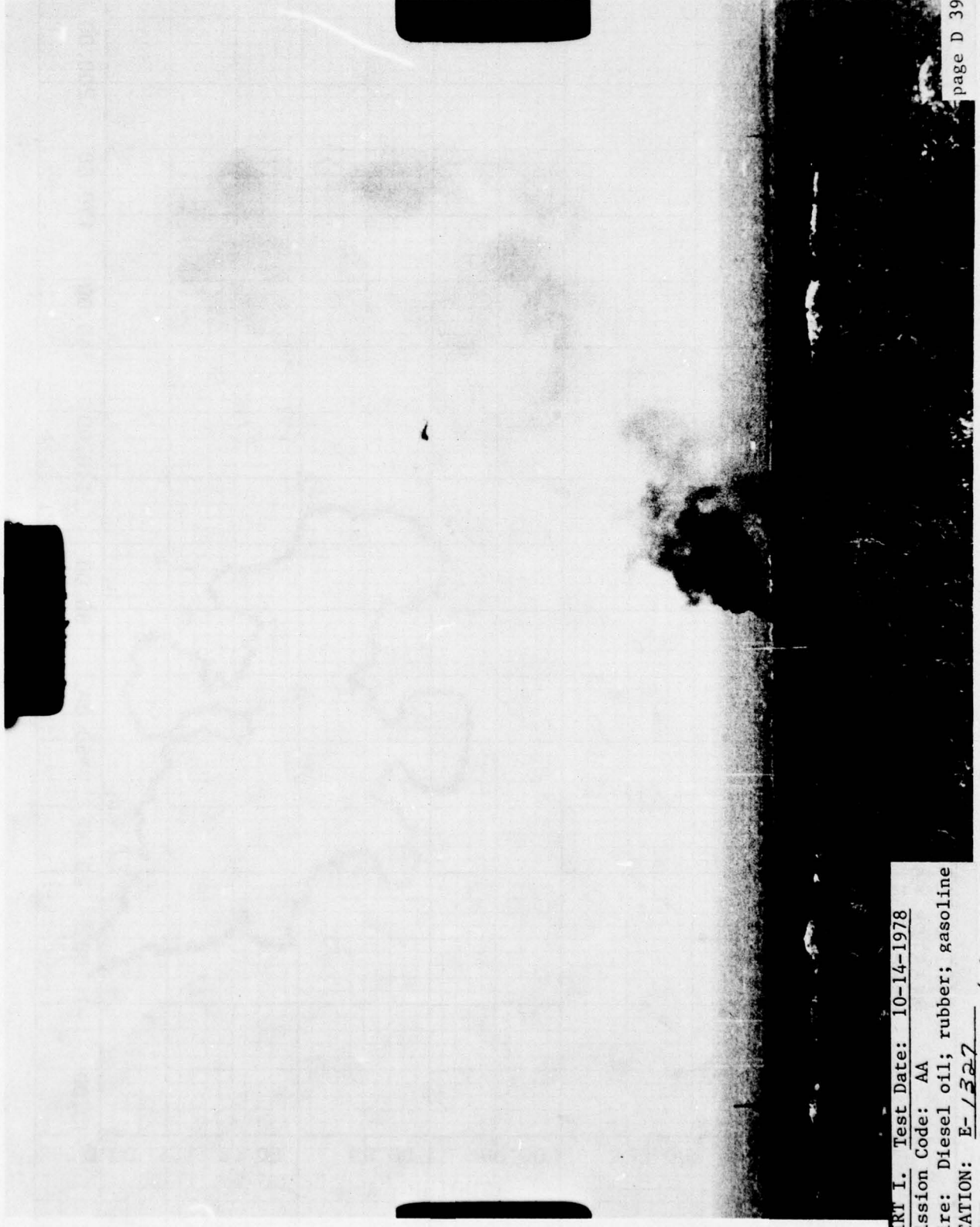
-600.00

-660.00

-720.00

Y (METERS)

X (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 11 m, 04.220 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 11 04.220

NSM/762

150.00

120.00

90.00

60.00

30.00

0.00

Y (METERS)

-10.00

20.00

50.00

80.00

110.00

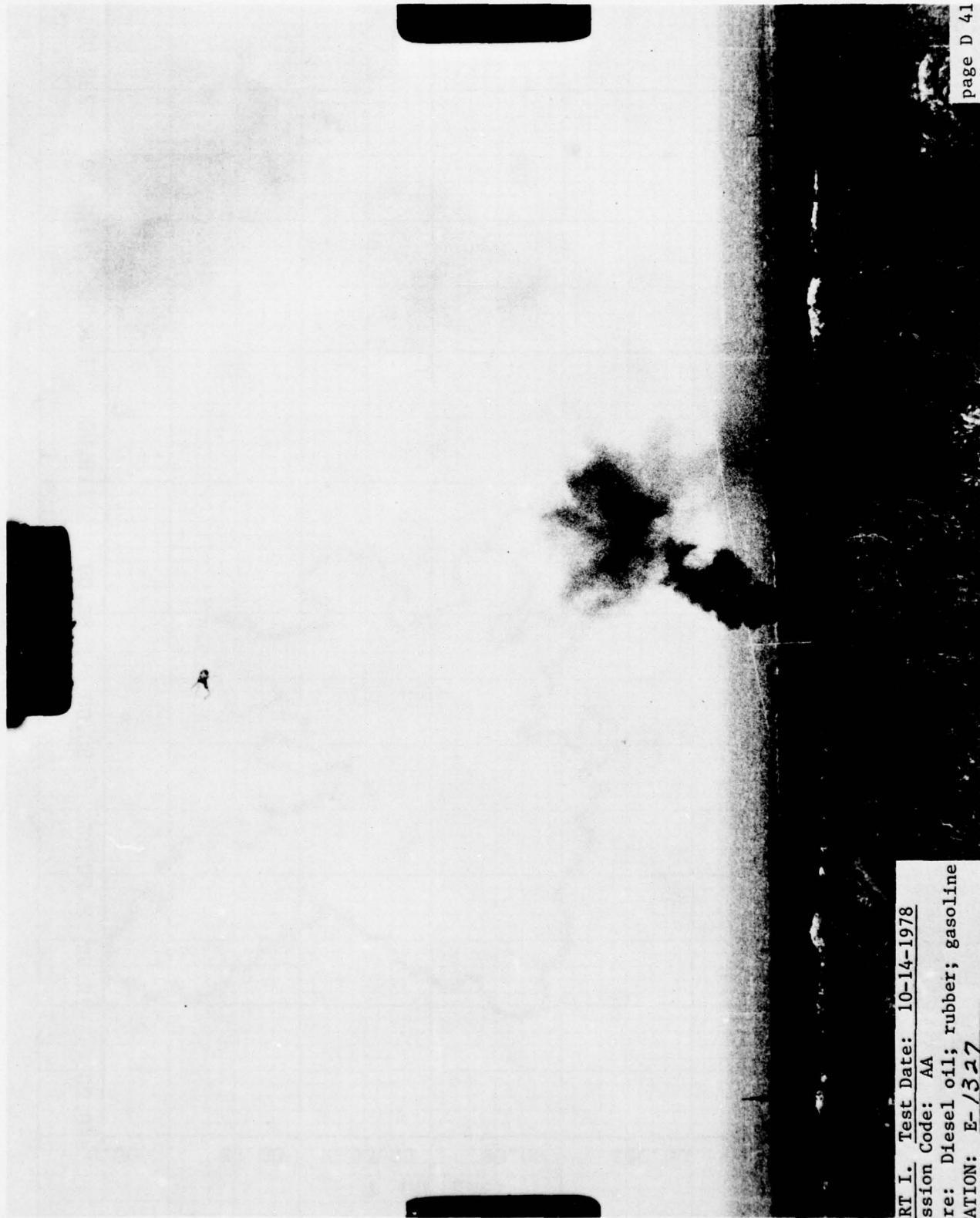
140.00

170.00

200.00

230.00

X (METERS)

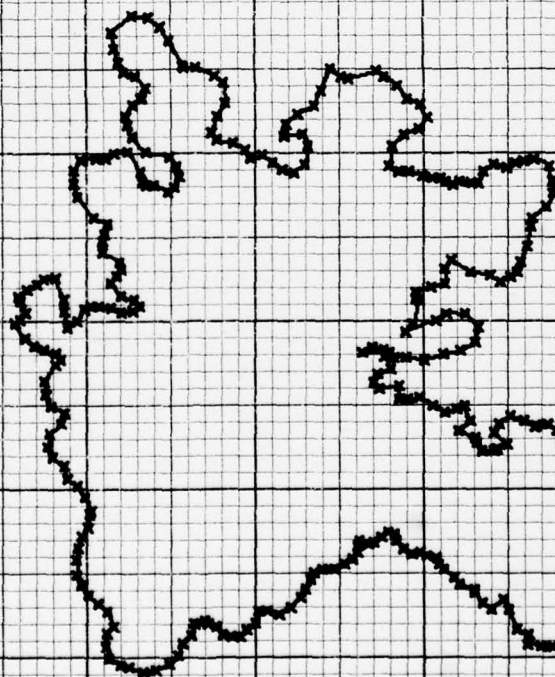


DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 11 m, 45.544 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 11 45.544

PSL/NMSU

Y (METERS)
0.00
30.00
60.00
90.00
120.00
150.00



X (METERS)
-40.00
-10.00
20.00
50.00
80.00
110.00
140.00
170.00
200.00
230.00



DIRT L. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 11 m, 04.244 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: 9A

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1328

TIME: 17 11 04.244

PSL/NMSU

300.00

240.00

180.00

120.00

60.00

0.00

Y (METERS)

-240.00 -180.00 -120.00 -60.00 0.00 60.00 120.00 180.00 240.00 300.00

X (METERS)

U-RT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 11 m, 23.706 s

page D 45



DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AR
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 11 23.706

PSL/NHSU

Y (METERS)

X (METERS)



PLAN I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E- 1328
TIME: 17 h, 11 m, 43.140 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

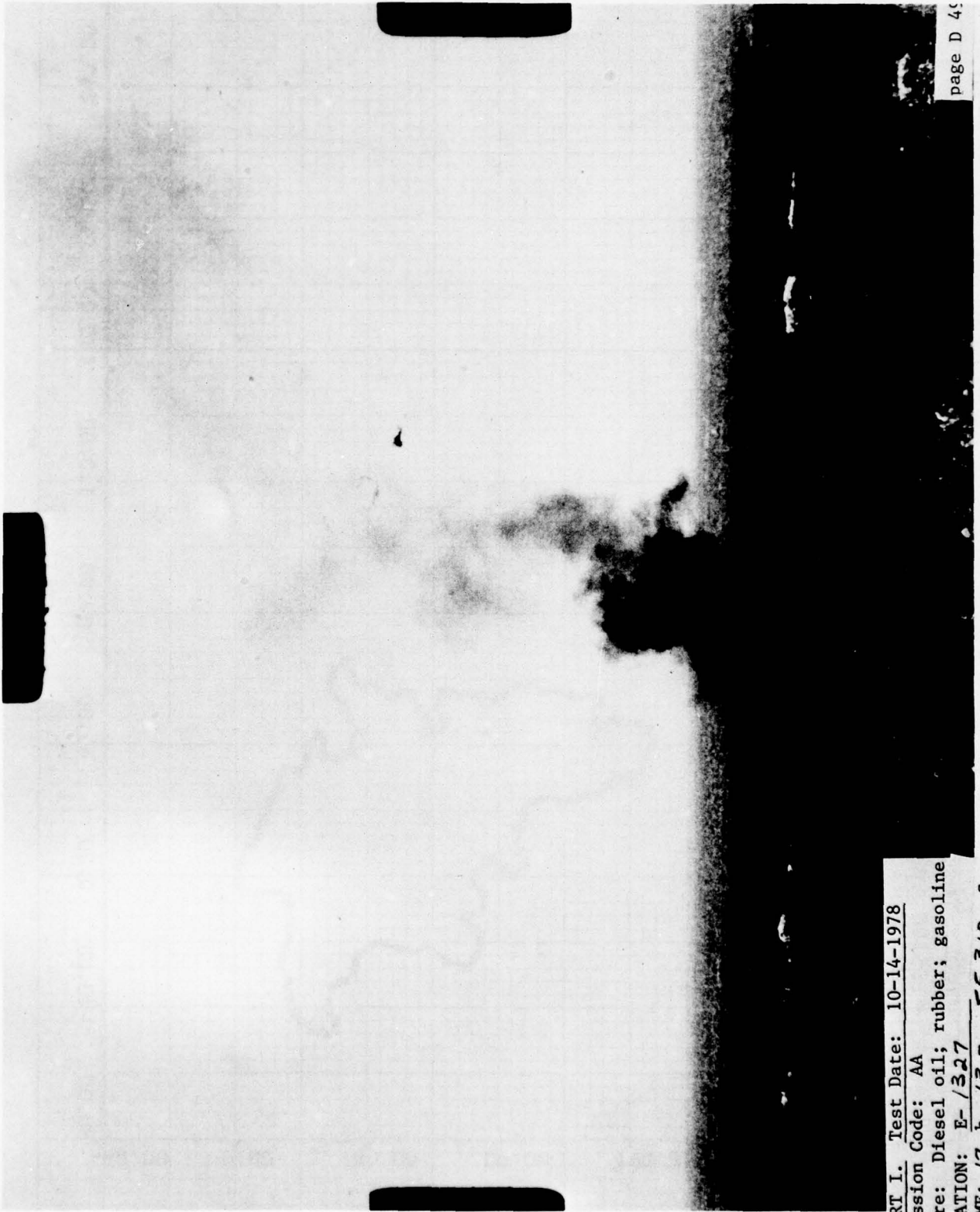
STATION: E-1328

TIME: 17 11 43.140

PSL/NMSU

Y (METERS)

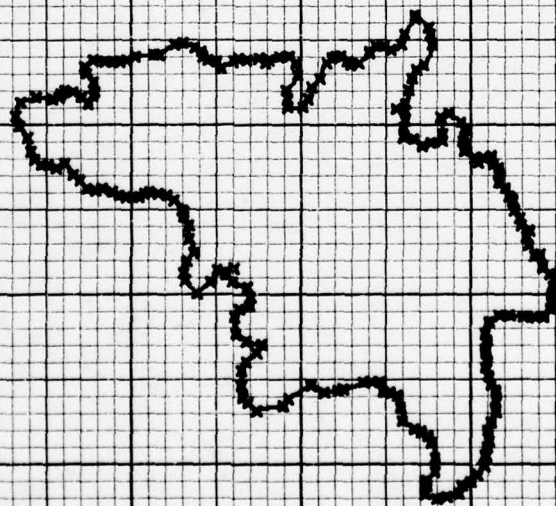
X (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E- /327
TIME: 17 h, 13 m, 55.310 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 19 55.310

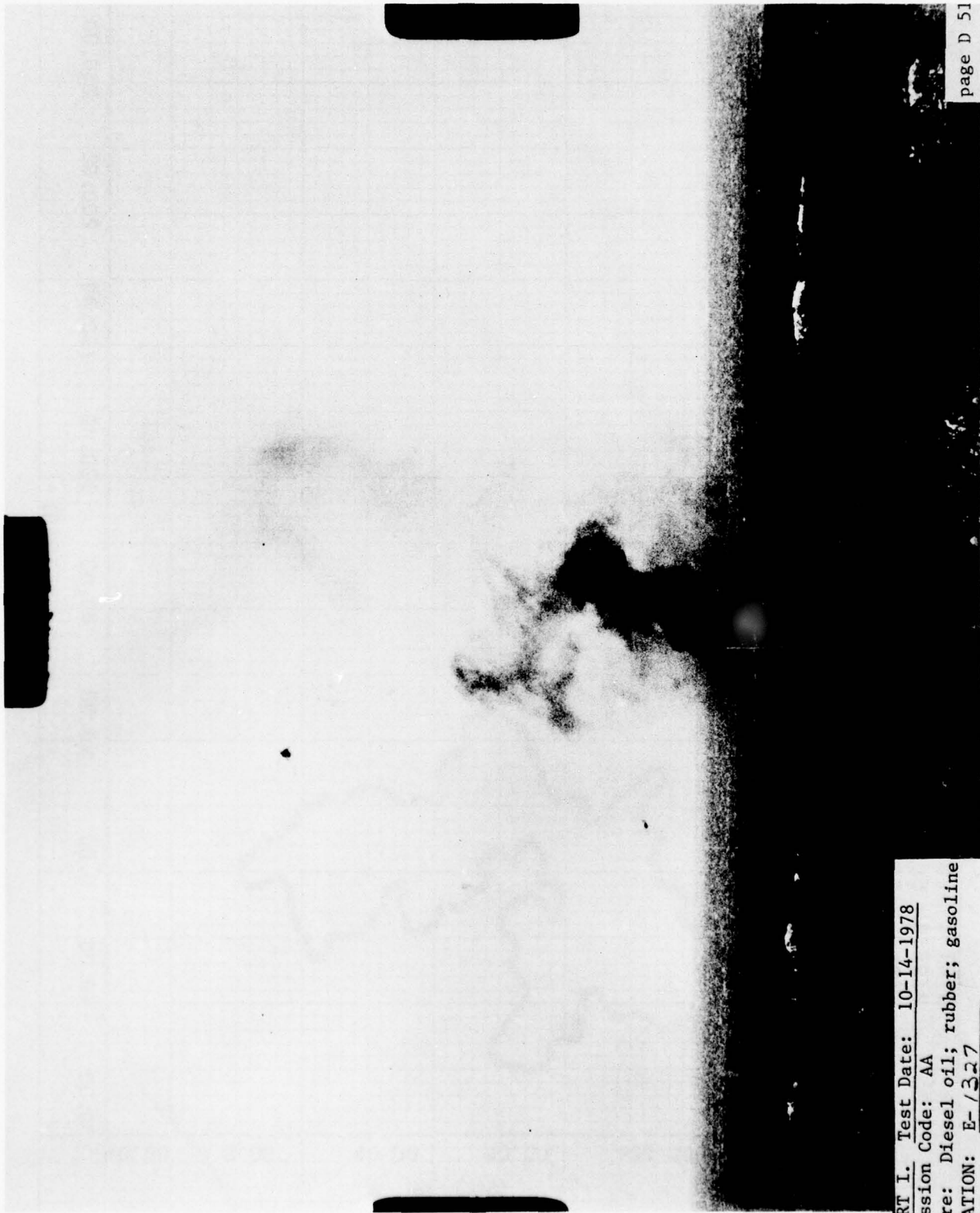
PSL/NMSU



Y (METERS)
160.00
120.00
80.00
40.00
0.00

-40.00
-80.00

X (METERS)
-80.00
-40.00
0.00
40.00
80.00
120.00
160.00
200.00
240.00
280.00



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 14 m, 36.600 s

DIRT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 14 36.600

PSL/MSU

150.00

120.00

90.00

60.00

30.00

0.00

-30.00

-60.00

-90.00

-120.00

-150.00

-180.00

-210.00

-240.00

-270.00

-300.00

-330.00

-360.00

-390.00

-420.00

-450.00

-480.00

-510.00

-540.00

-570.00

-600.00

Y (METERS)

X (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 13 m, 53.266 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

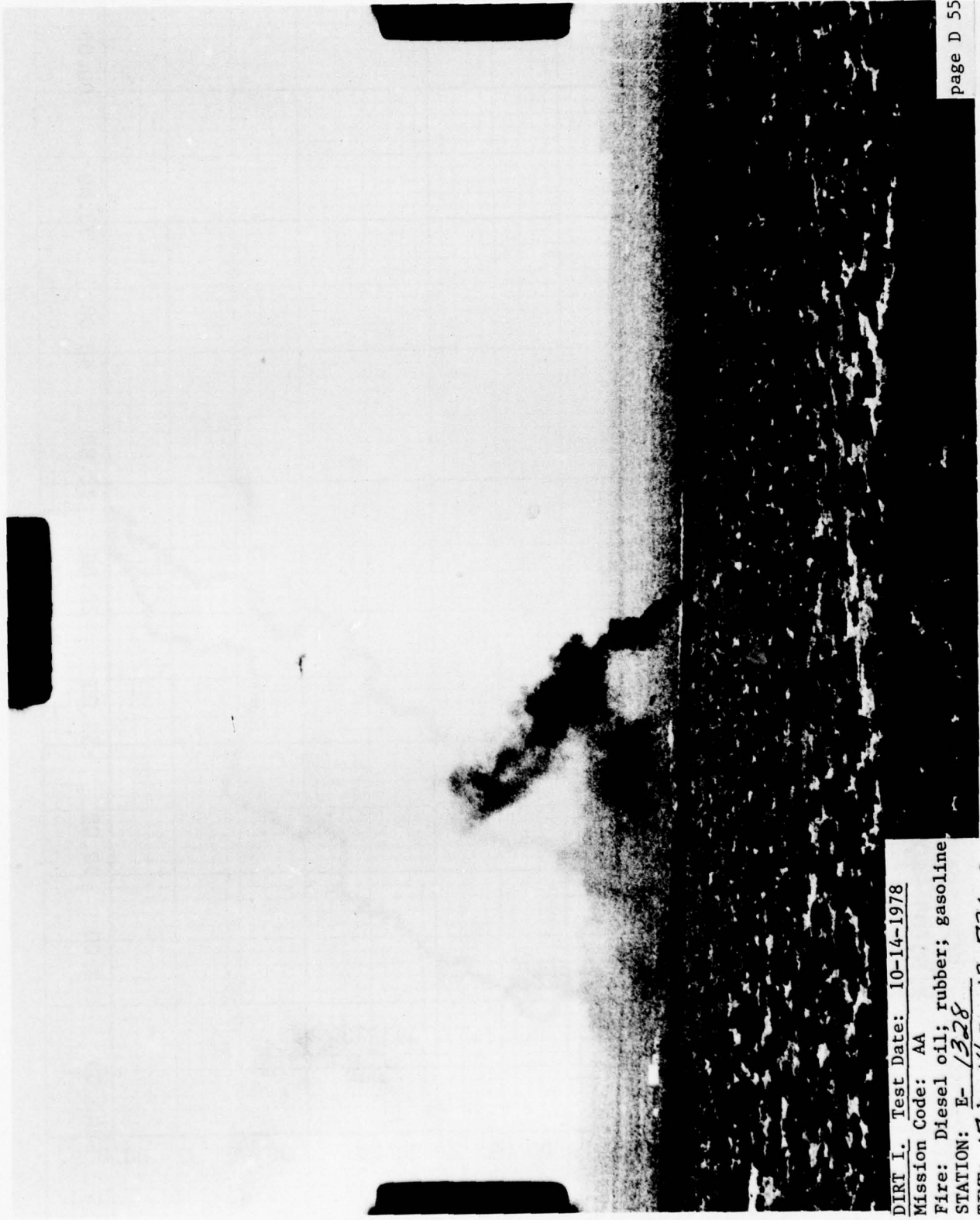
STATION: E-1328

TIME: 17 13 53.266

PSL/NMSU

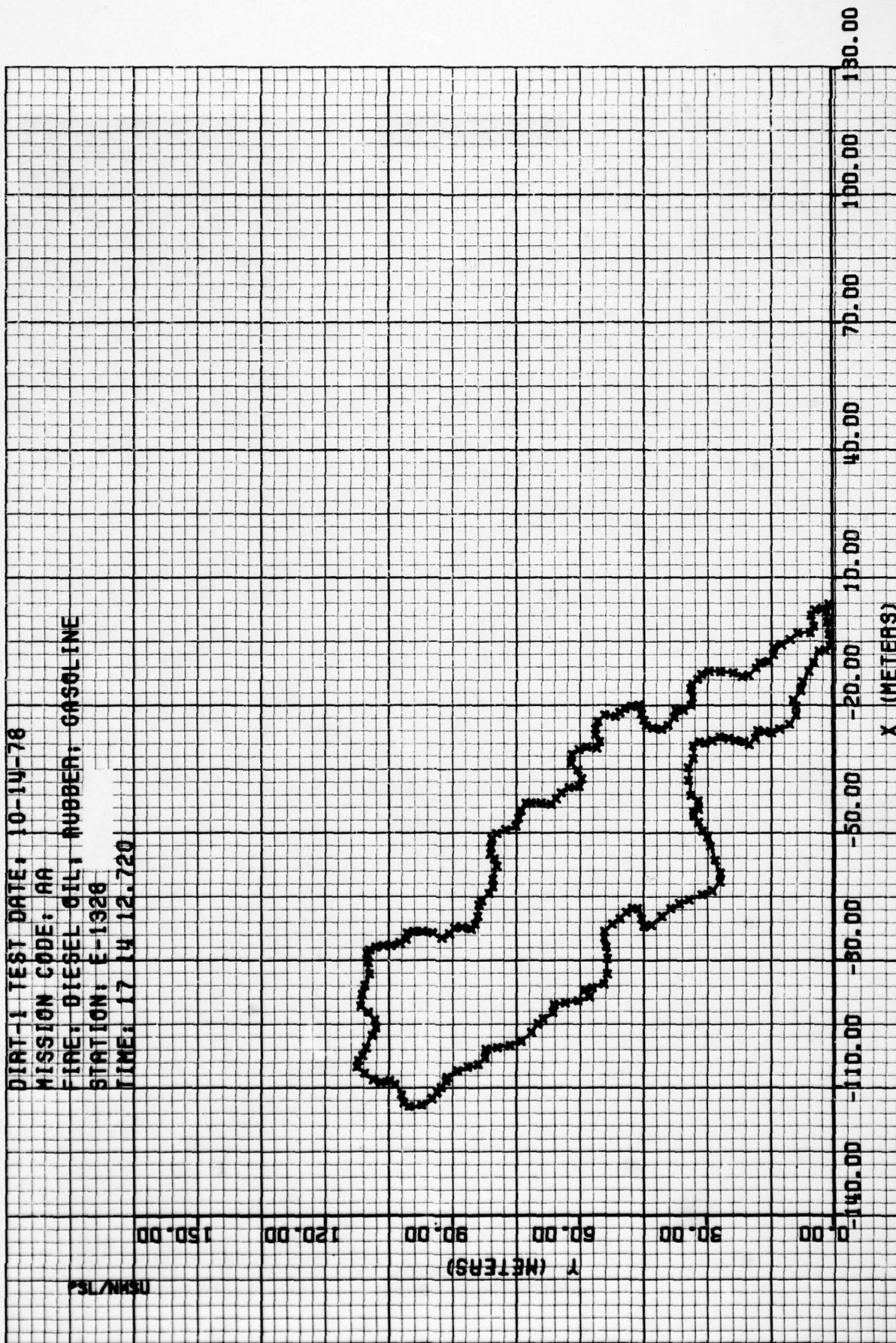
Y (METERS)

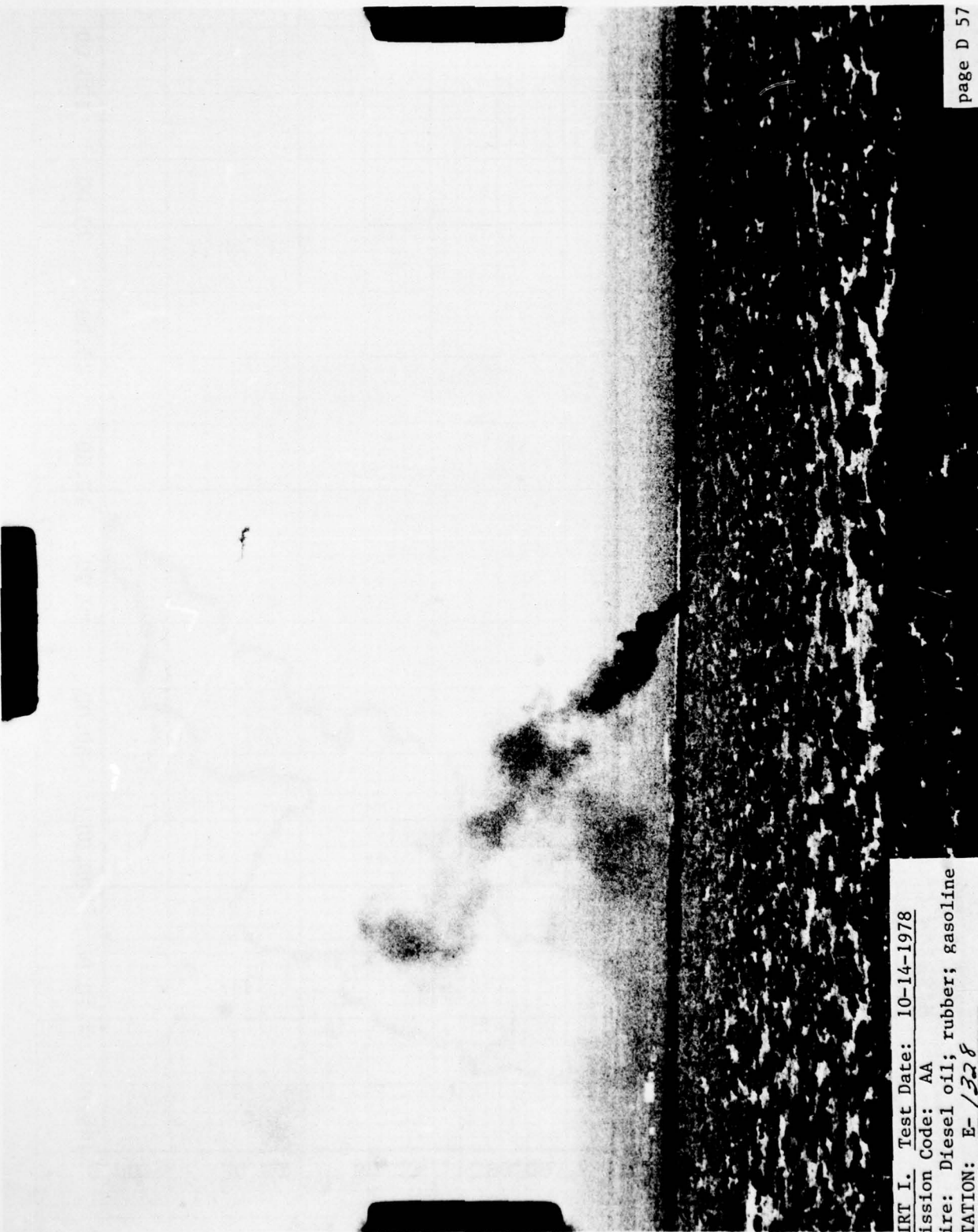
X (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 14 m, 12.720 s

DIAT-1 TEST DATE: 10-14-78
 MISSION CODE: AA
 FIRE: DIESEL OIL, RUBBER, GASOLINE
 STATION: E-1328
 TIME: 17 14 12.720





PIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 14 m, 32.147 s

DIRT-1 TEST DATE: 10-14-78

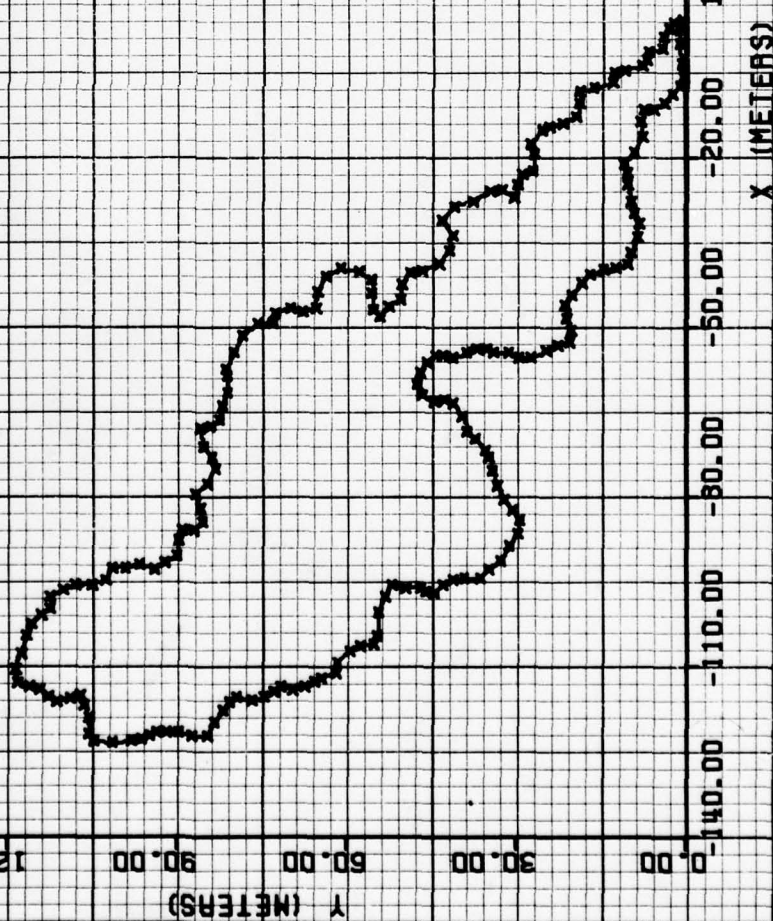
MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1328

TIME: 17 14 32.147

PSL/NKSU





U/RT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 16 m, 41.323 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 16 41.323

PSL/NHSU

250.00

200.00

150.00

100.00

50.00

0.00

Y (METERS)

-50.00

-10.00

40.00

90.00

140.00

190.00

240.00

290.00

340.00

390.00

X (METERS)



DLRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 12 h, 17 m, 22.617 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 17 22.617

PSL/NMSU

250.00

200.00

150.00

100.00

50.00

0.00

-50.00

-10.00

40.00

90.00

140.00

190.00

240.00

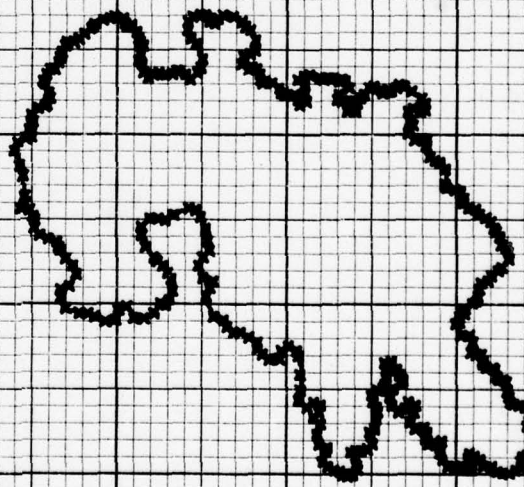
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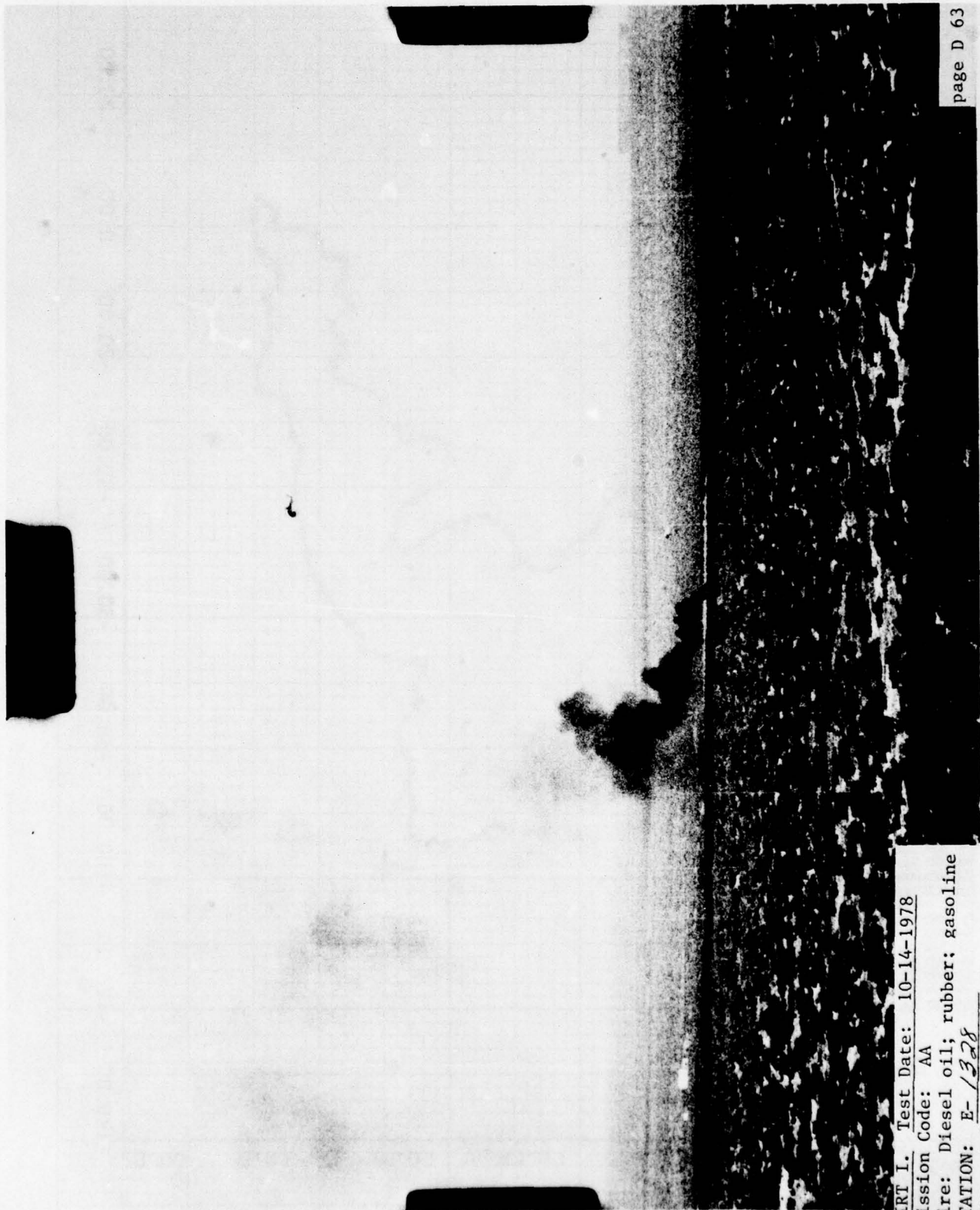
340.00

390.00

X (METERS)

Y (METERS)





ART I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 16 m, 38.271 s

DIAT-1 TEST DATE: 10-14-78

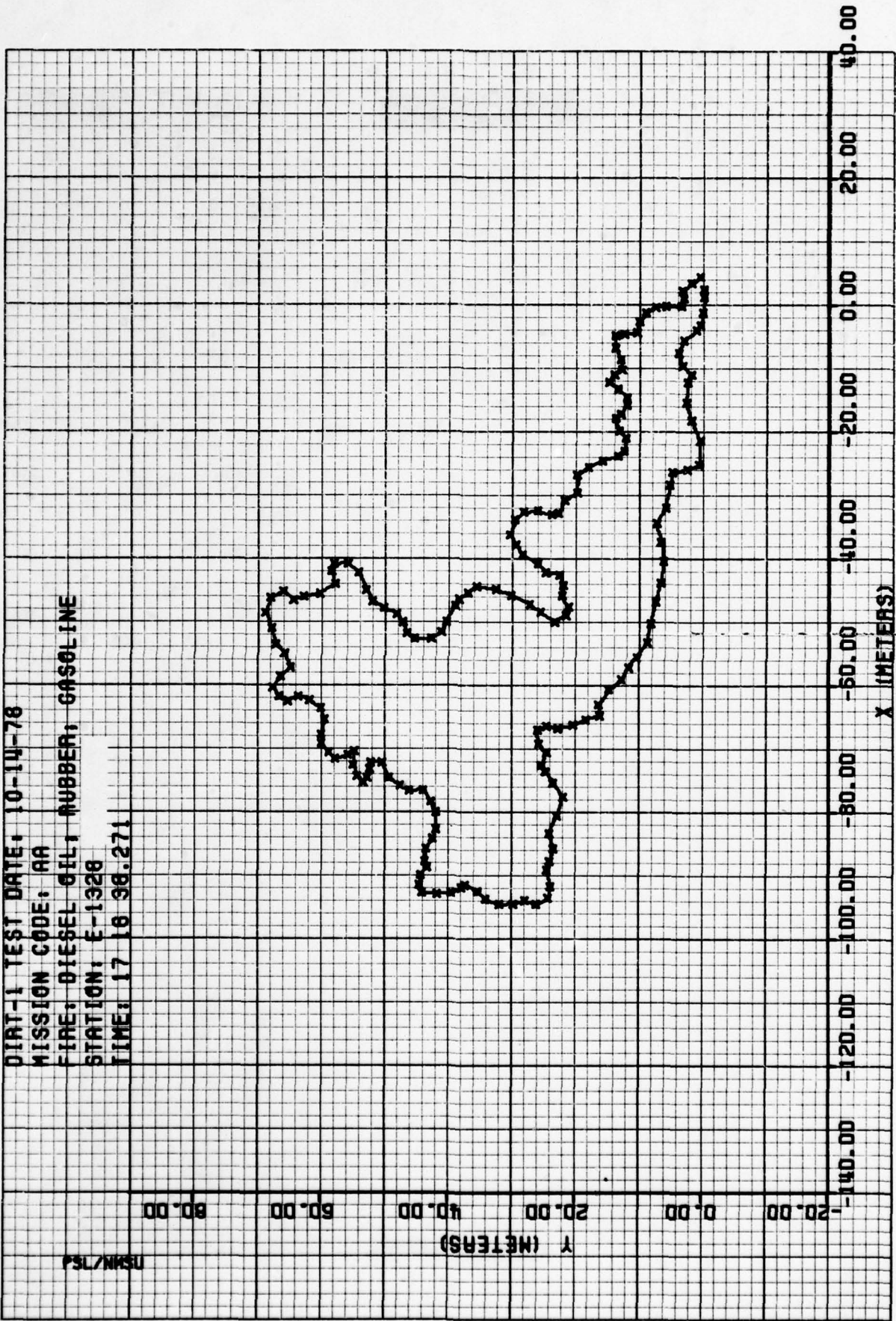
MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

TIME: 17 18 38.271

PSL/NKSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 16 m, 58.730 s

DIRT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1328

TIME: 17 18 58.730

PSL/NRSU

80.00

60.00

40.00

20.00

0.00

-20.00

-40.00

40.00

20.00

0.00

-20.00

-40.00

-60.00

-80.00

-100.00

-120.00

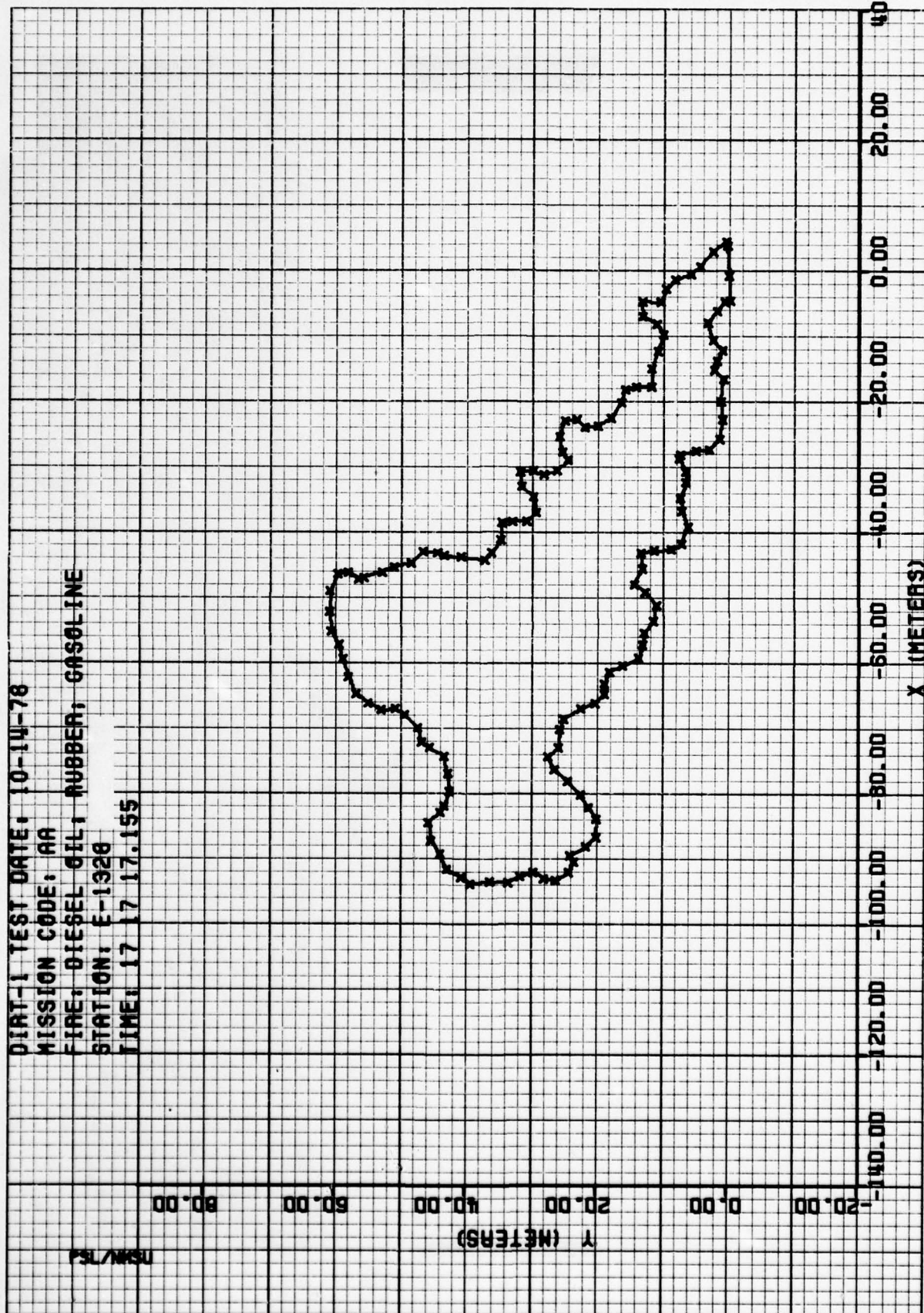
-140.00

X (METERS)

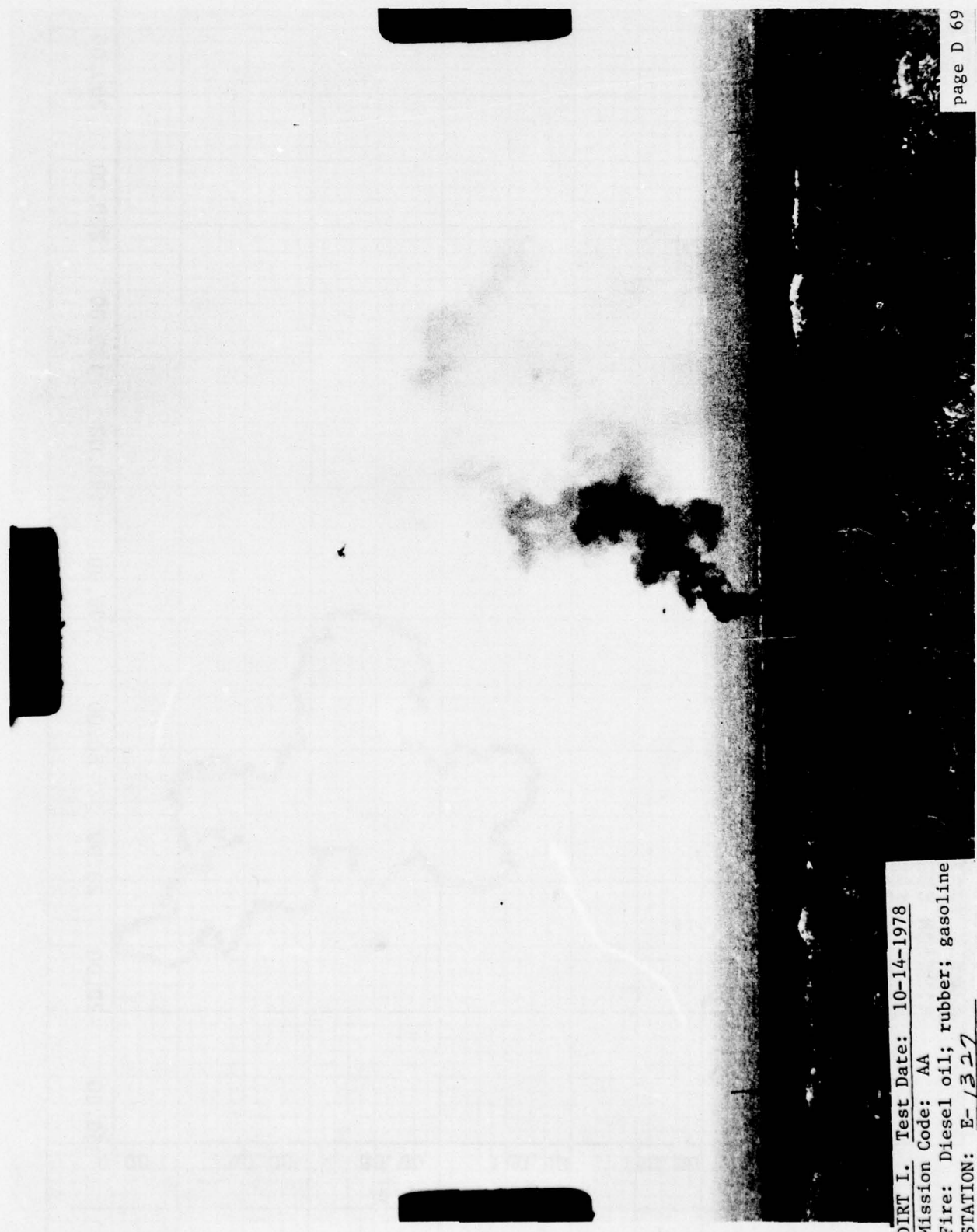


WRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 17 m, 17.155 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL, RUBBER, GASOLINE
STATION: E-1328
TIME: 17 17 17.155



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 19 m, 59.31 s



OIRT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 19 59.311

PSL/NMSU

Y (METERS)

X (METERS)

DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 20 m, 38.507 s

OIRT-1 TEST DATE: 10-14-78

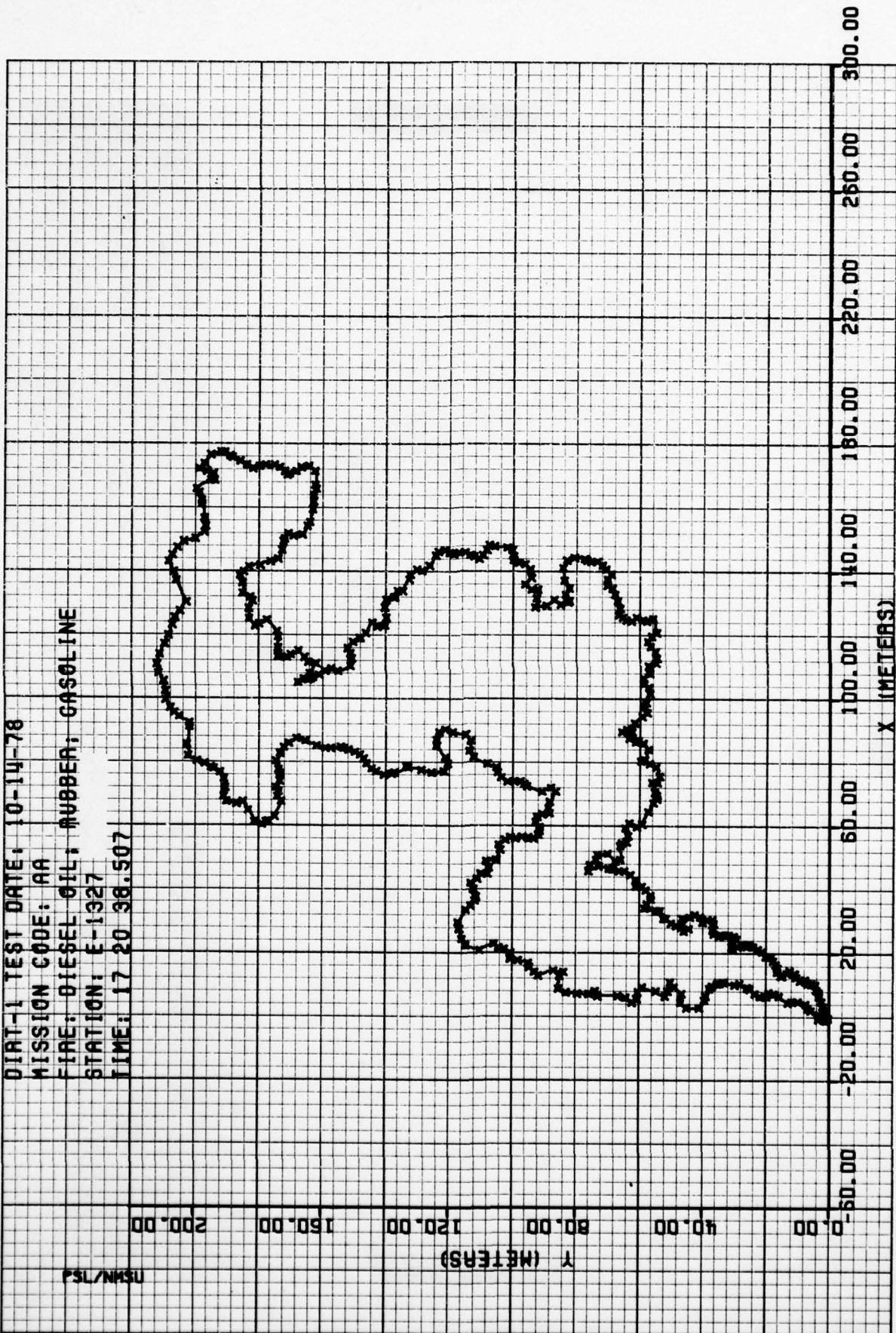
MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 20 38.507

PSL/NMSU



DIPT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 22 m, 56.294 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1327

TIME: 17 22 56.294

PSL/MSU

80.00

60.00

40.00

20.00

0.00

-20.00

-40.00

Y (METERS)

-20.00

0.00

20.00

40.00

60.00

80.00

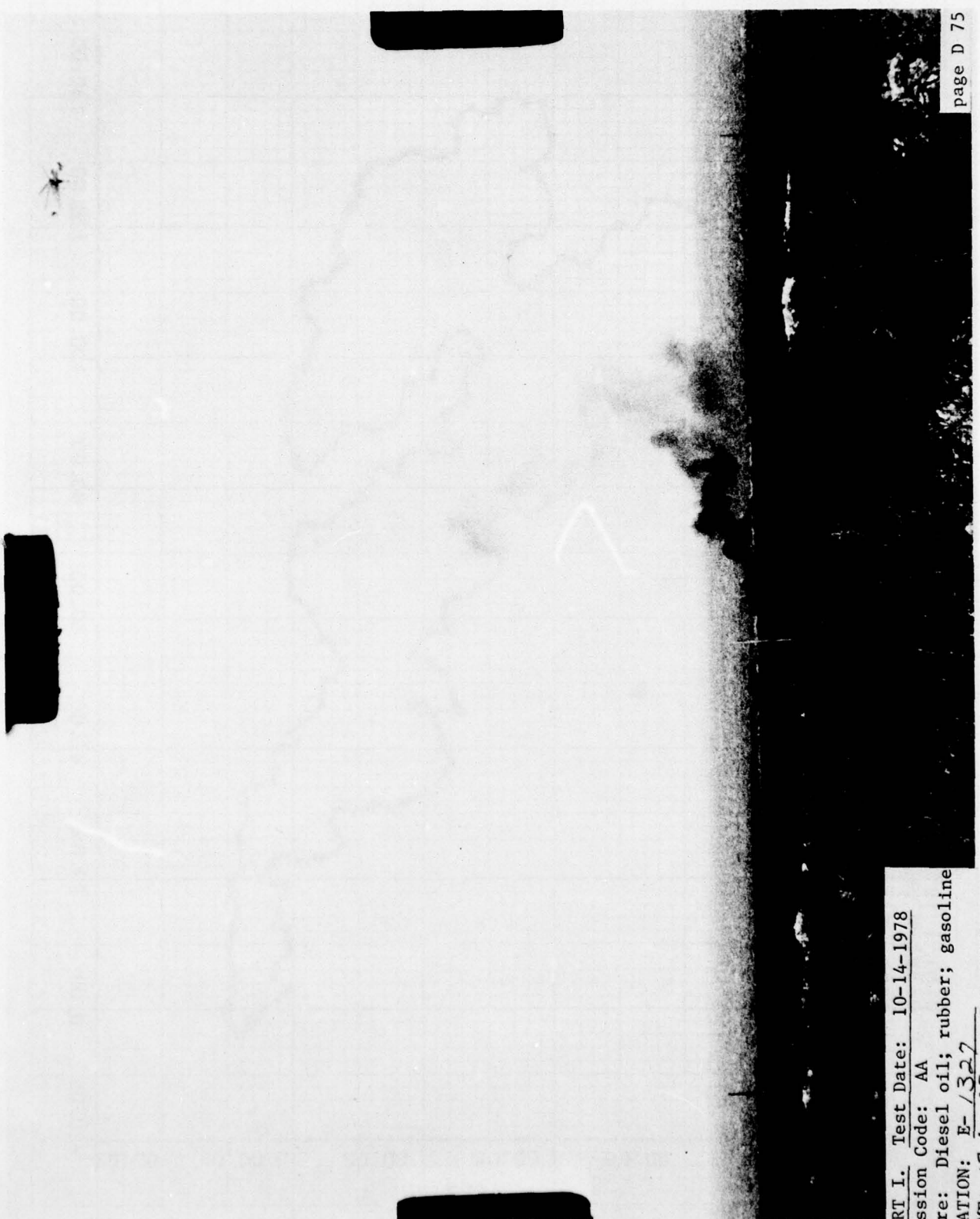
100.00

120.00

140.00

160.00

X (METERS)



DIART I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 23 m, 37.533 s

DIAT-1 TEST DATE: 10-14-78

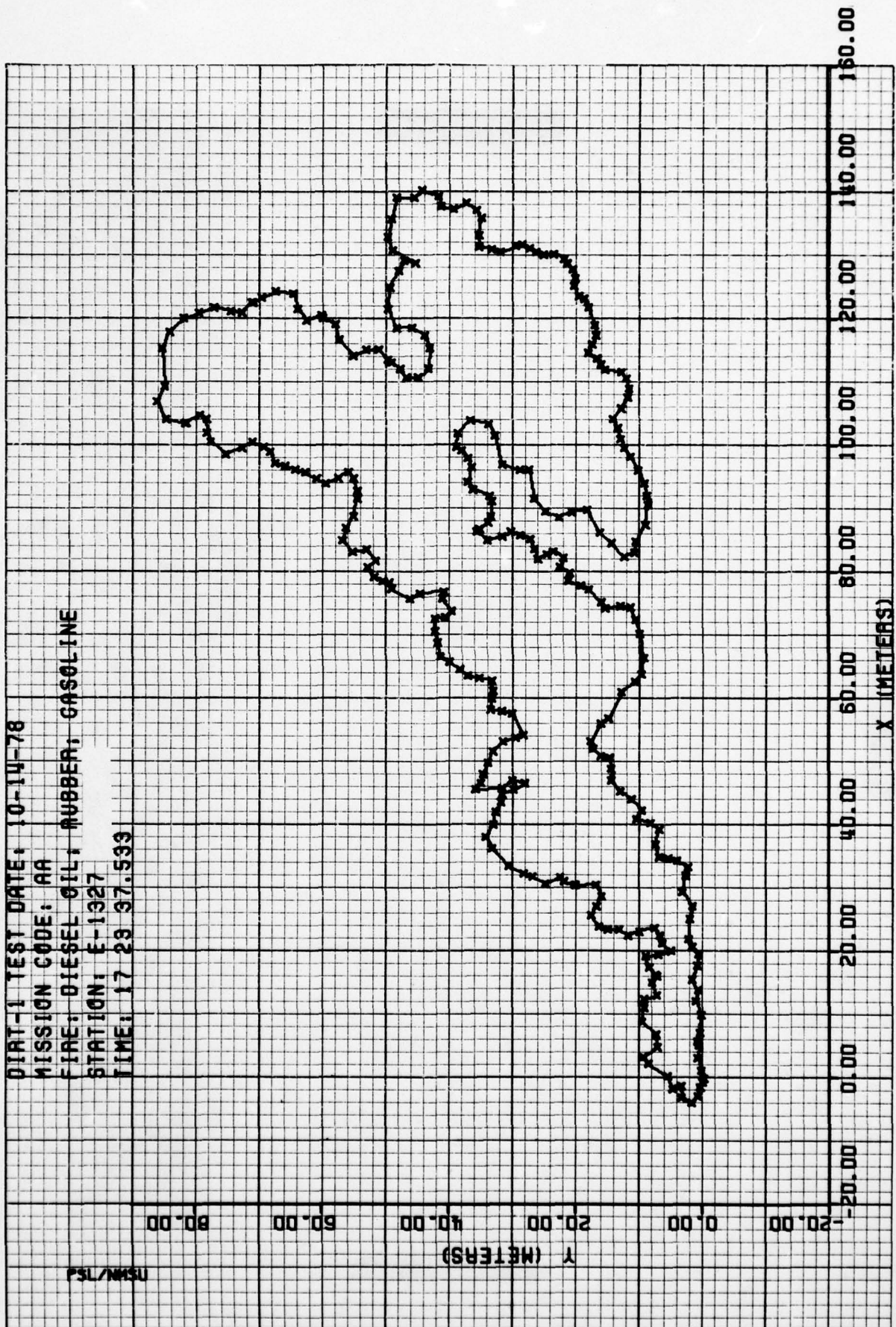
MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 23 37.533

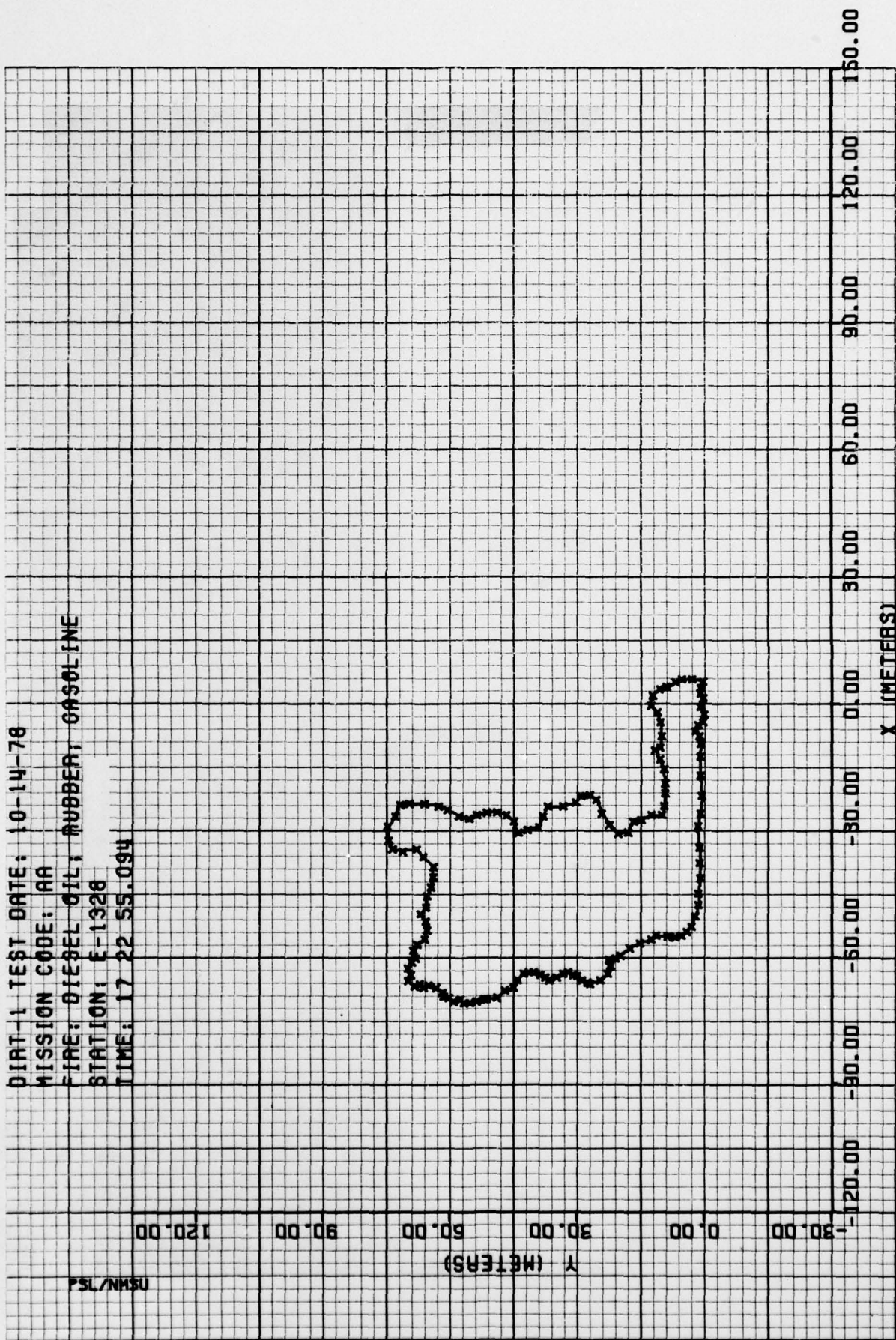
FSL/MSU

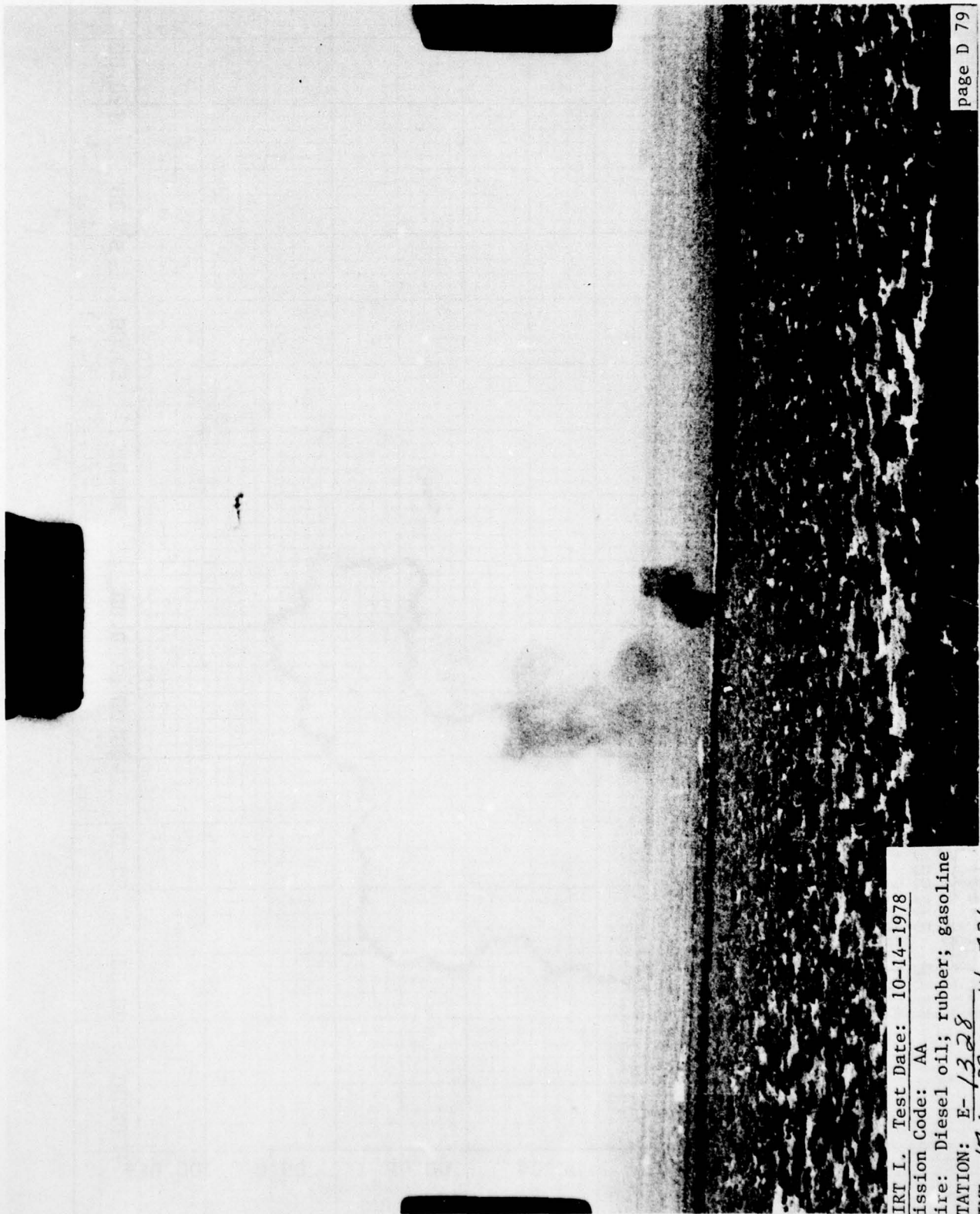


U.S. I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 22 m, 55.094 s

page D 77

DIRT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 22 55.094





IRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 23 m, 14.736 s

DIRT-1 TEST DATE: 10-14-78

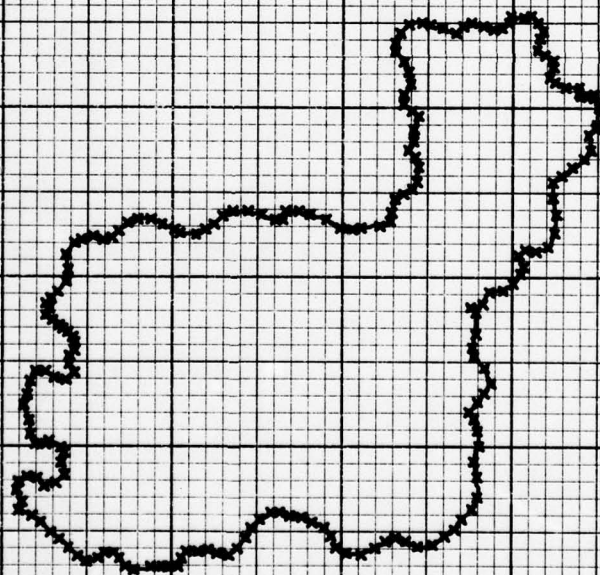
MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1328

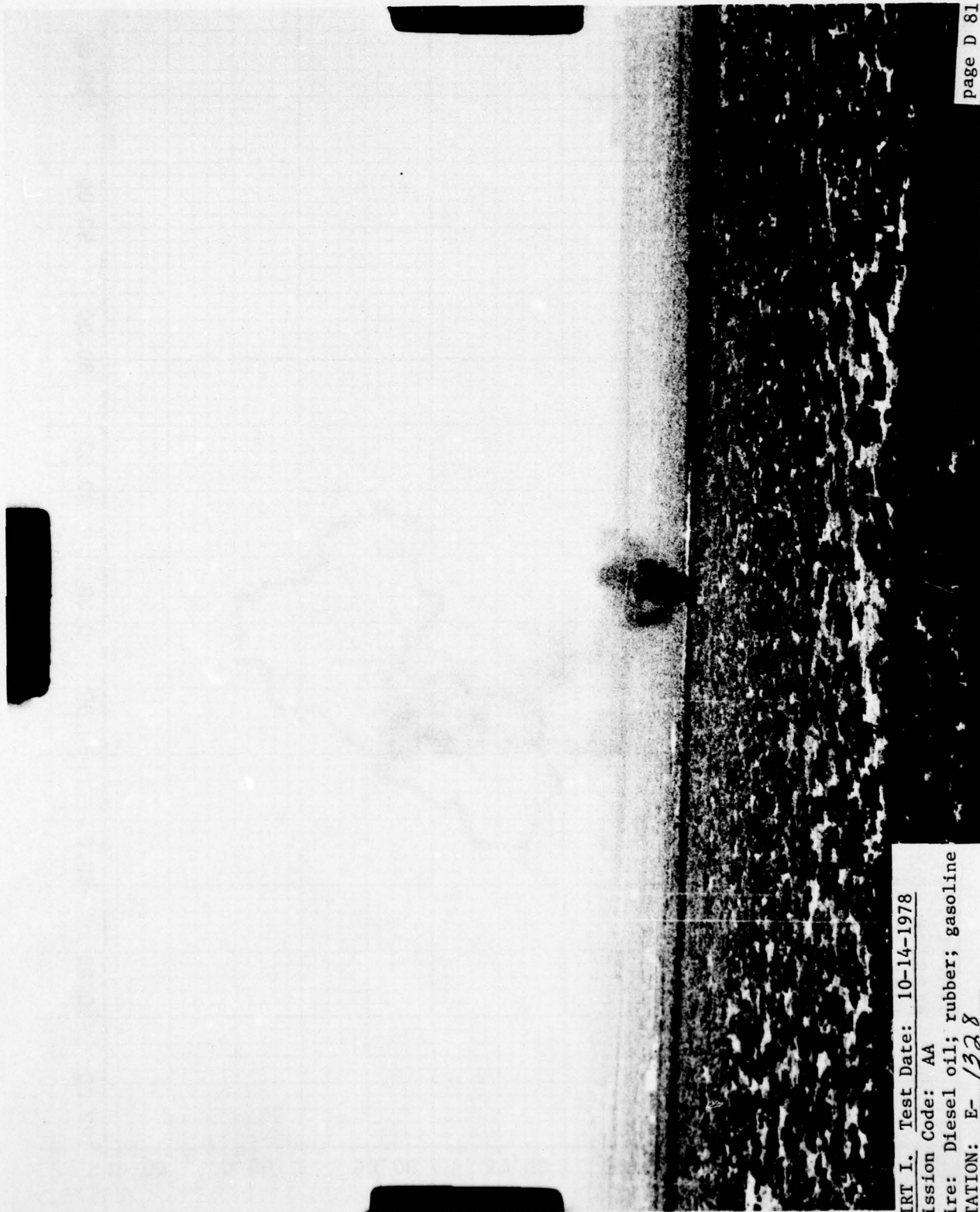
TIME: 17 23 14.736

PSL/NHSU



Y (METERS)

X (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 23 m, 34.143 s

DIAT-1 TEST DATE: 10-14-78

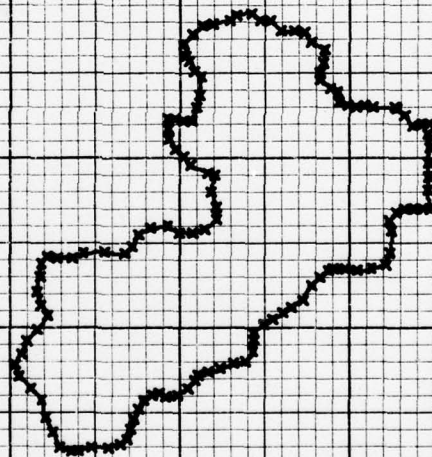
MISSION CODE: AA

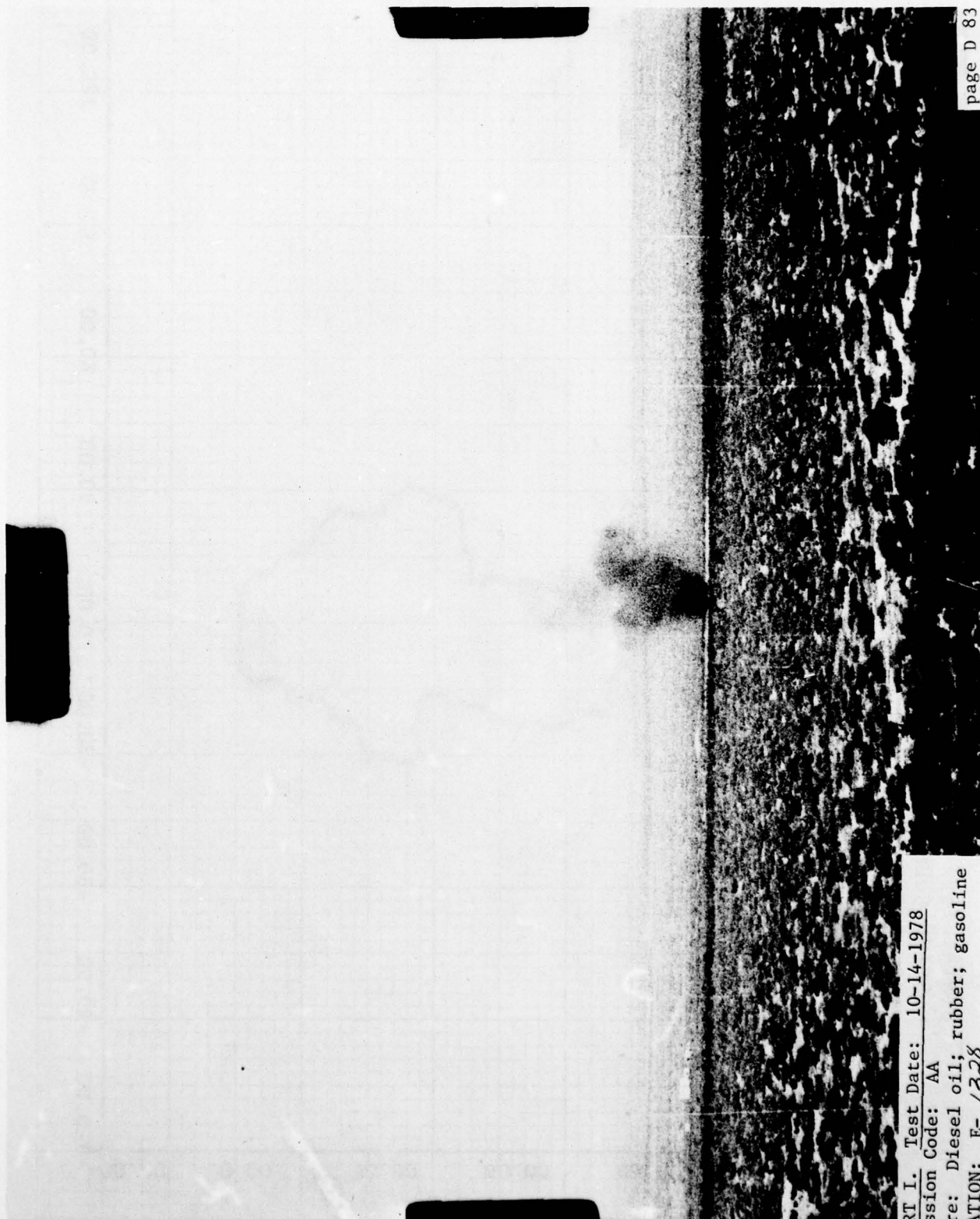
FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1326

TIME: 17 23 34.143

PSL/NHSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 24 m, 12 927 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1326
TIME: 17 24 12.927

PSL/NHSU

Y (METERS)

X (METERS)

AD-A076 337

NEW MEXICO STATE UNIV LAS CRUCES PHYSICAL SCIENCE LAB F/6 19/4
FIXED CAMERA DATA DUSTY INFRARED TEST-I (DIRT-I) 2 OCTOBER THRO--ETC(U)
AUG 79 DAAD07-79-C-0008

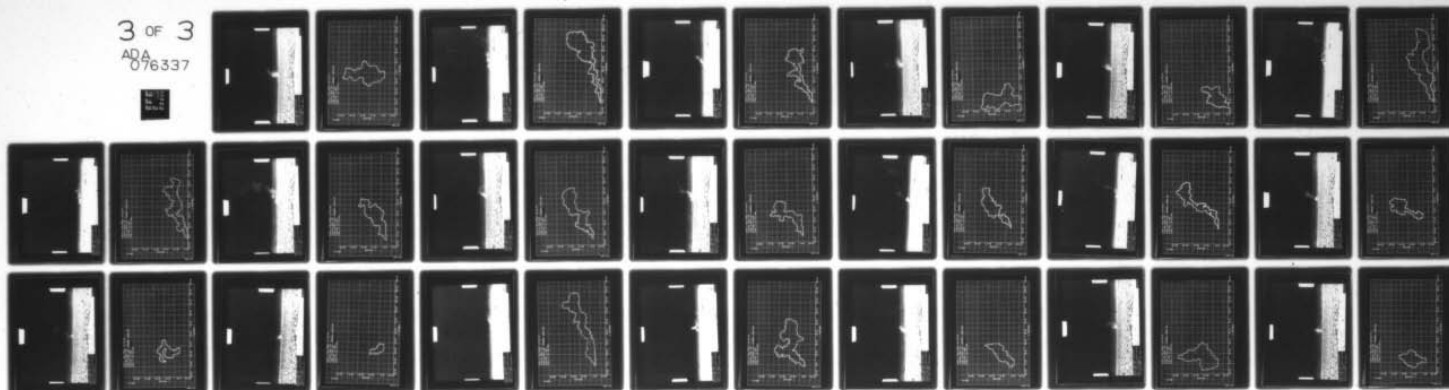
UNCLASSIFIED

NMSW/PSL/FDR-37179

ERADCOM/ASL-CR-79-0008-1 NL

3 OF 3

ADA
076337



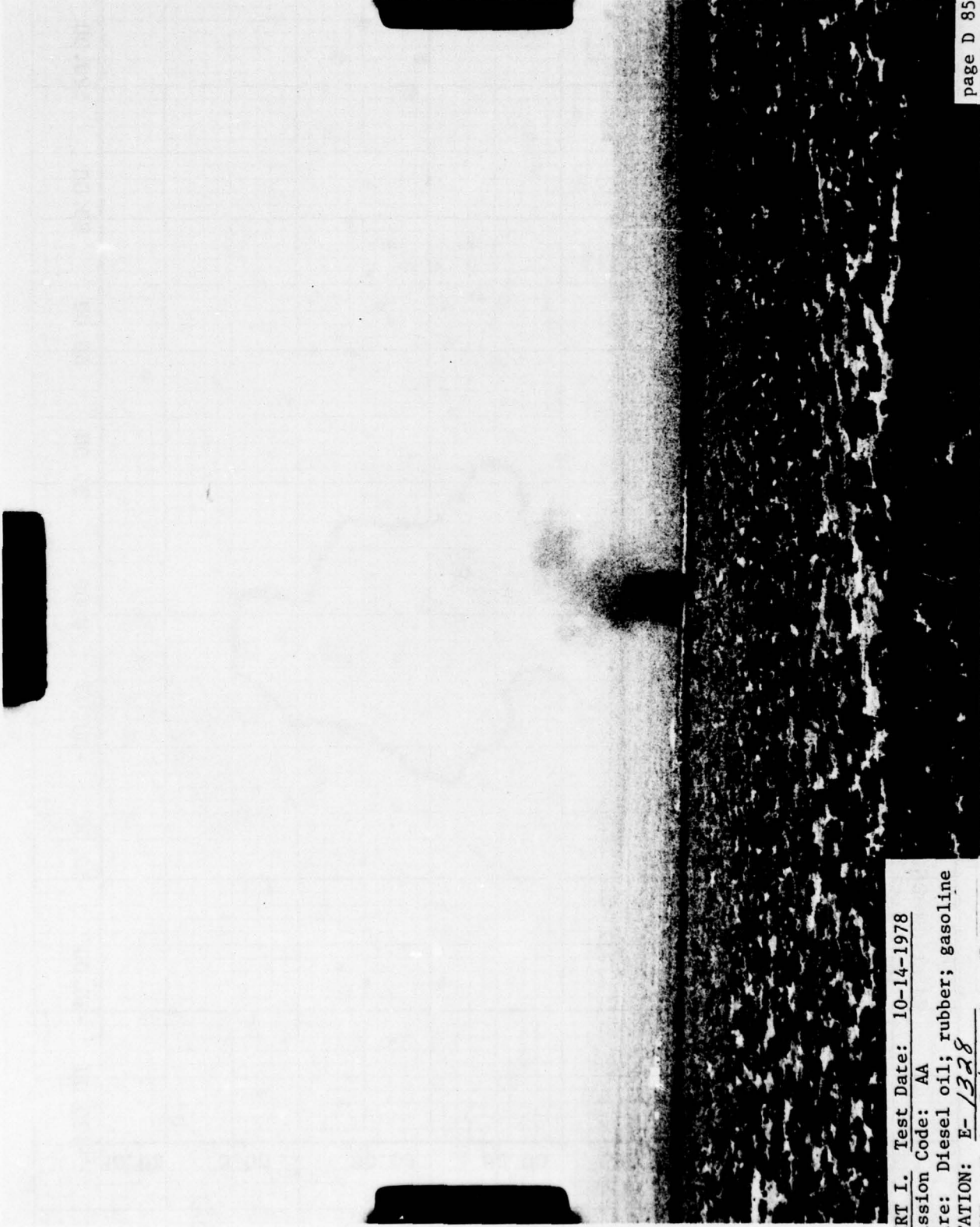
END

DATE

FILMED

11 -79

DOC



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 24 m, 32.313 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

TIME: 17 24 32.313

PSL/MSU

120.00

90.00

60.00

30.00

0.00

30.00

120.00

-30.00

-60.00

-90.00

0.00

30.00

60.00

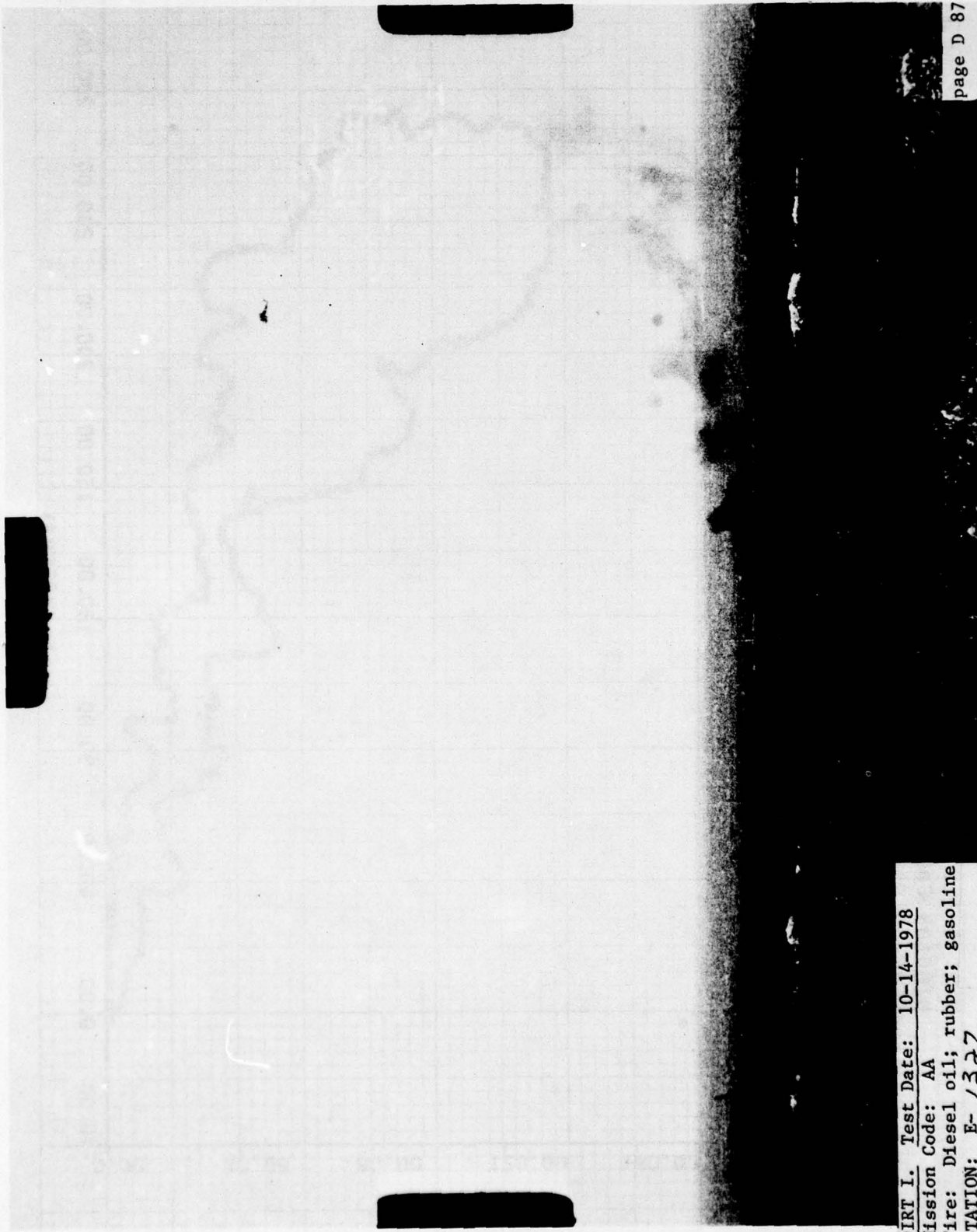
90.00

120.00

150.00

X (METERS)

Y (METERS)



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 25 m, 16.340 s

DIRT-1 TEST DATE: 10-14-78

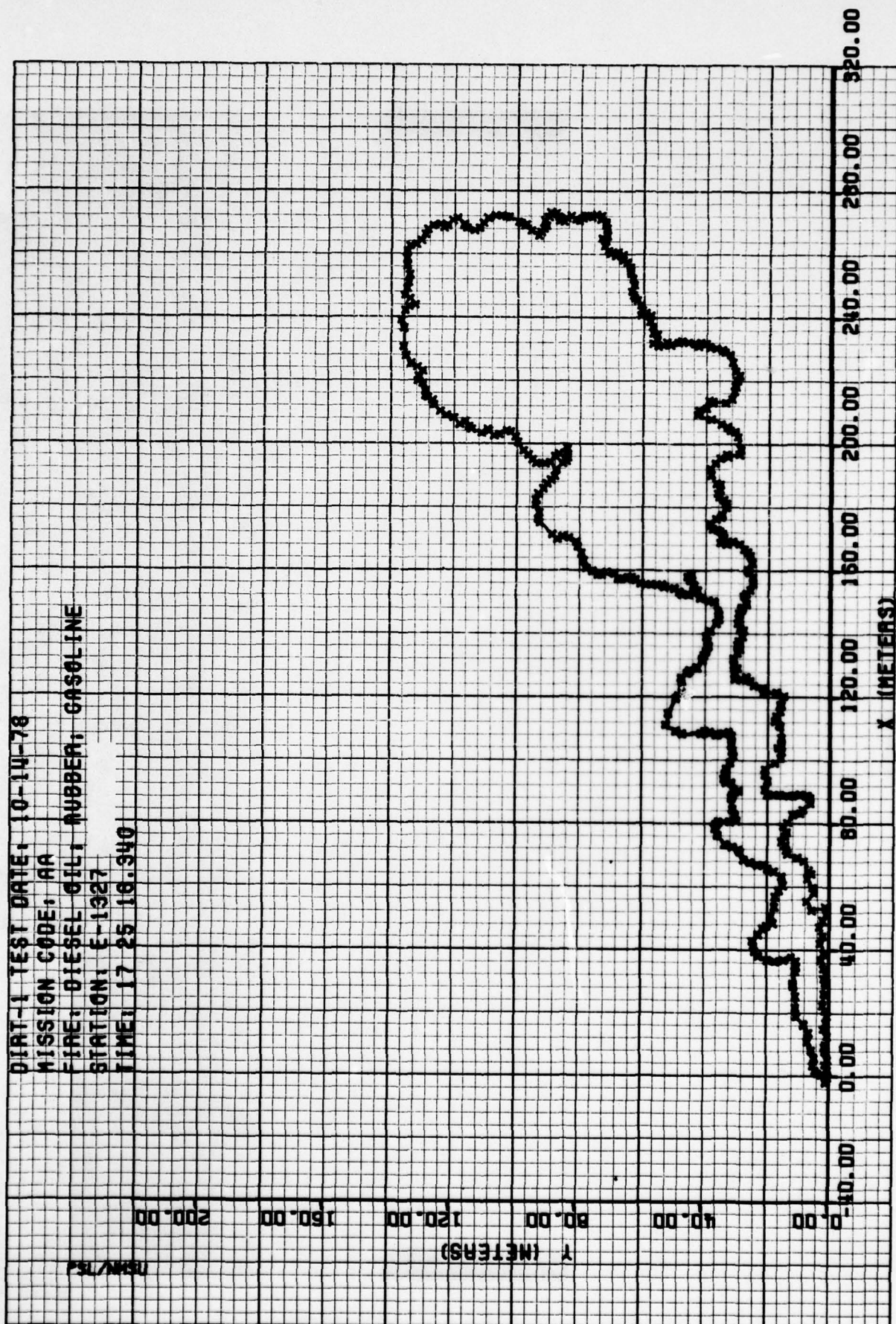
MISSION CODE: AA

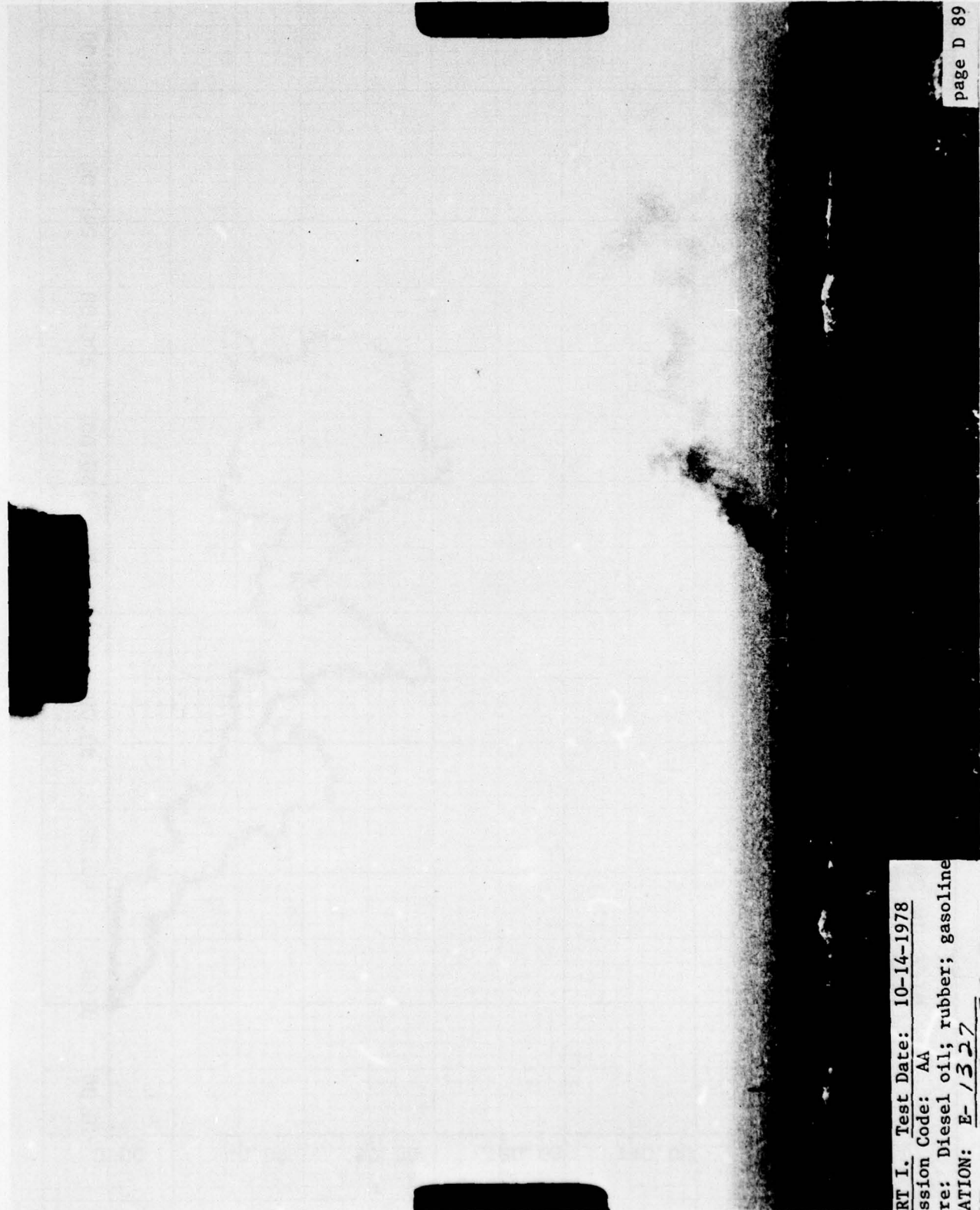
FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1327

TIME: 17 25 16.340

PSL/MSU





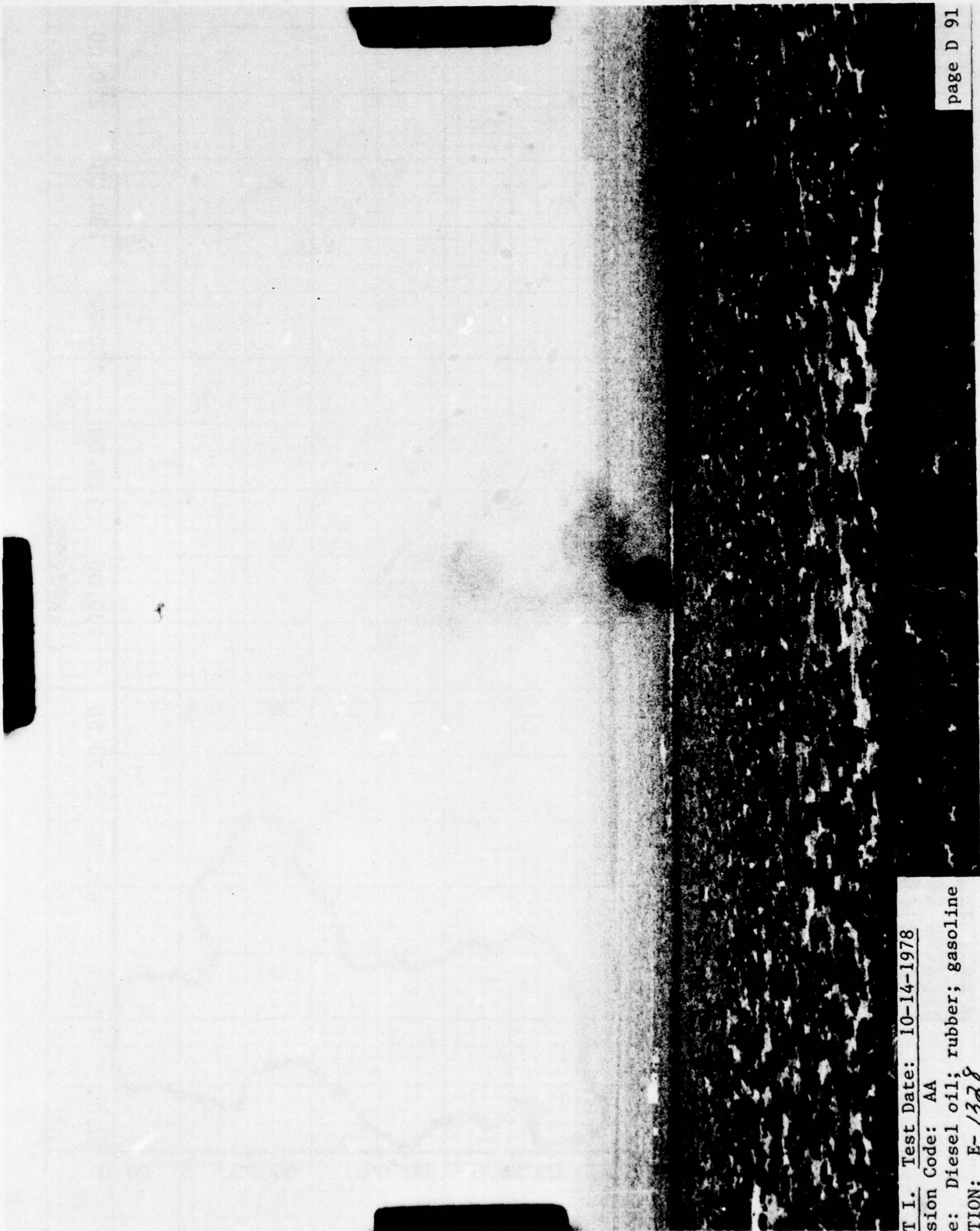
DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 25 m, 55.500 s

DIRT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 25 55.500

PSL/NMSU

Y (METERS)

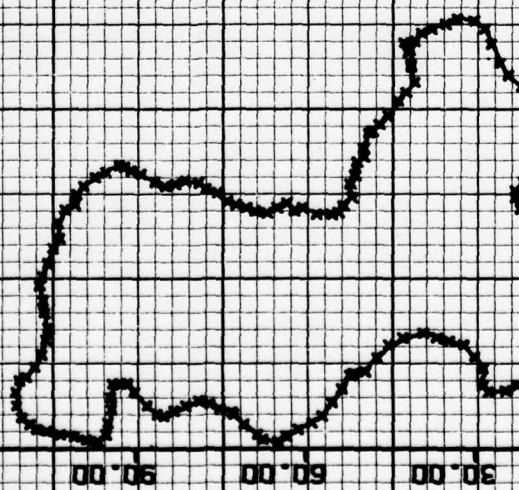
X (METERS)

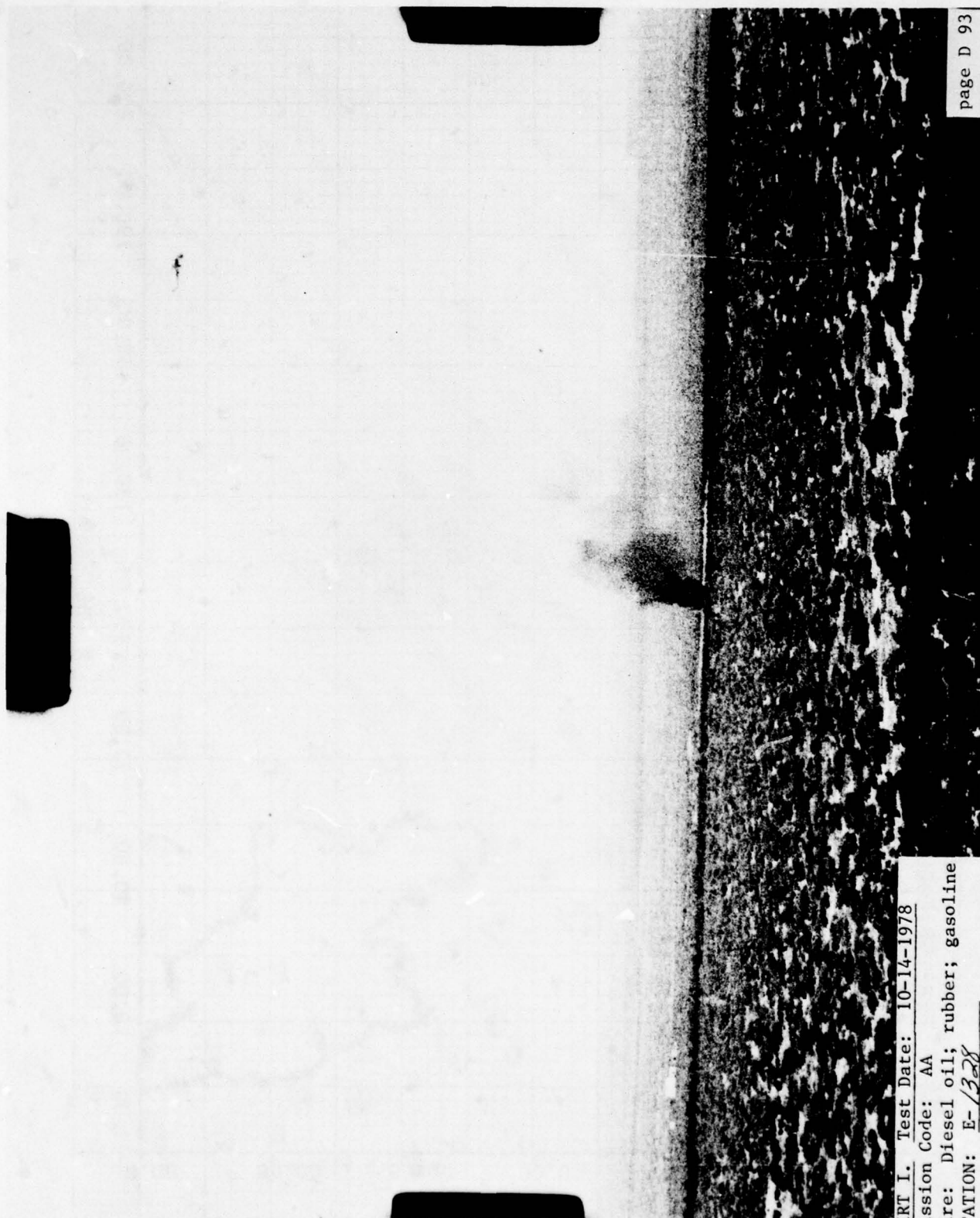


DIKT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 25 m, 19.994 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 25 19.994

PSU/MSU





JRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 25 m, 38.394 s

DIAT-1 TEST DATE: 10-14-78

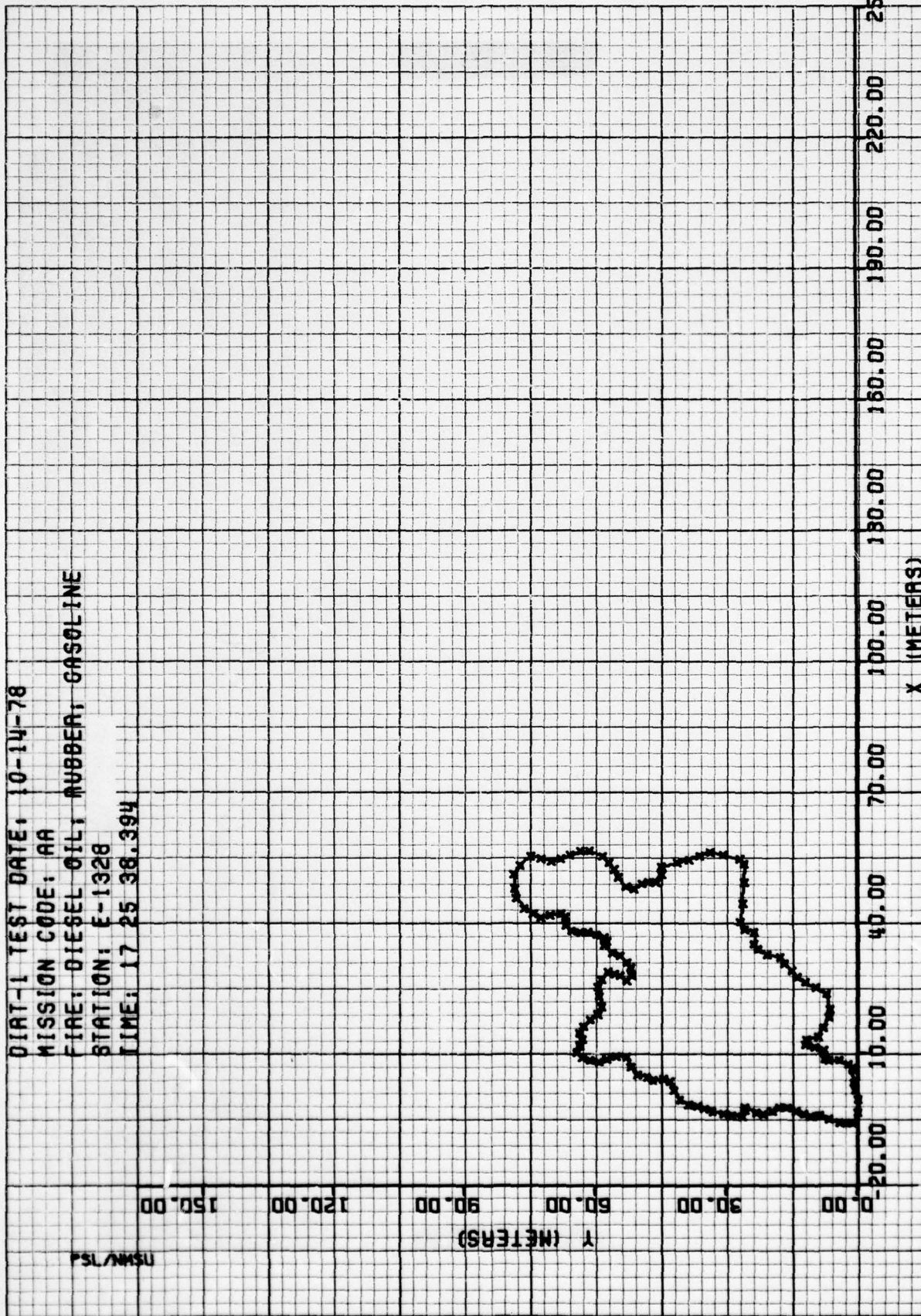
MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

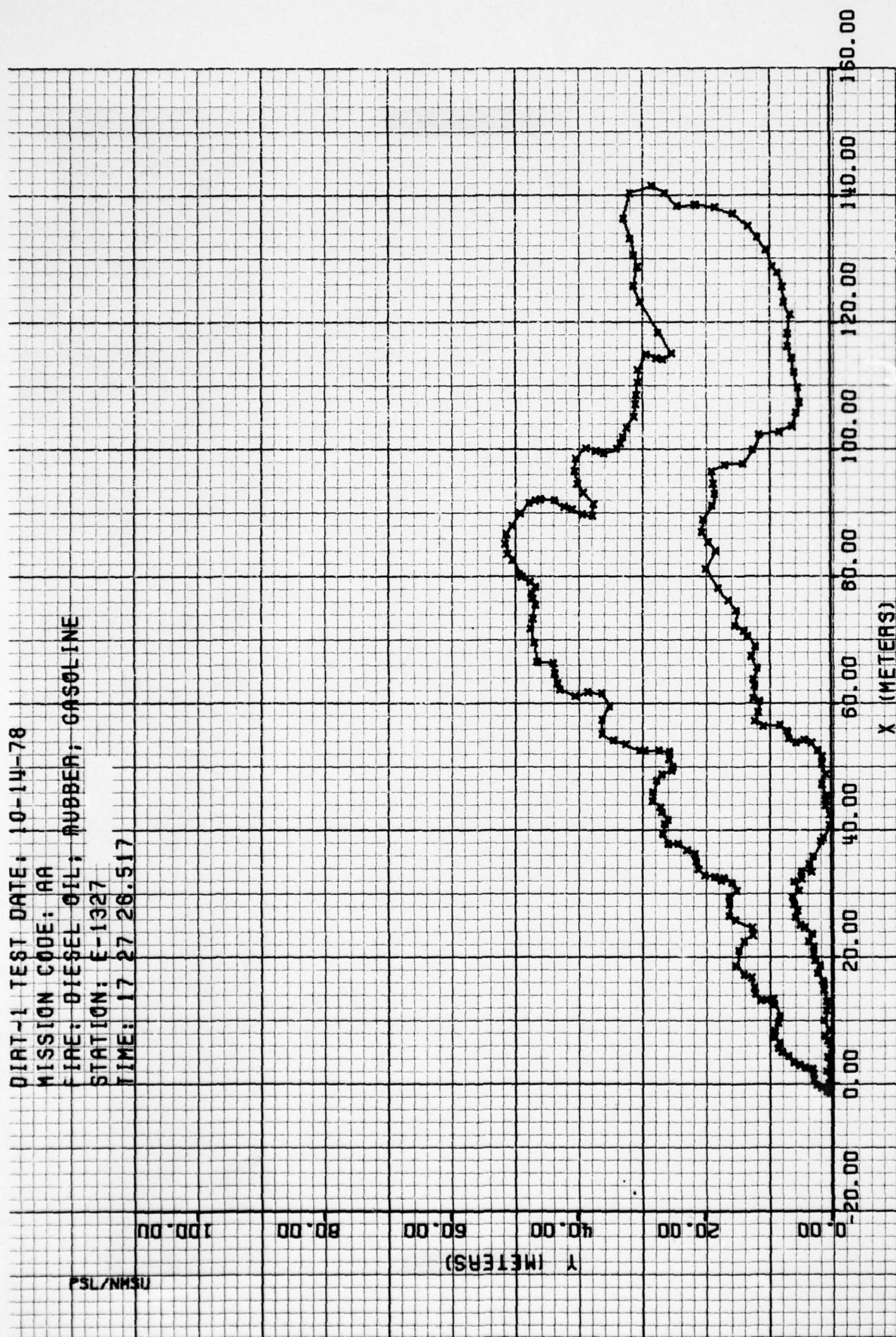
TIME: 17 25 38.394

PSL/MSU



--RT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 27 m, 26.517 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1327
TIME: 17 27 26.517



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 28 m, 02.556 s

DIAT-1 TEST DATE: 10-14-78

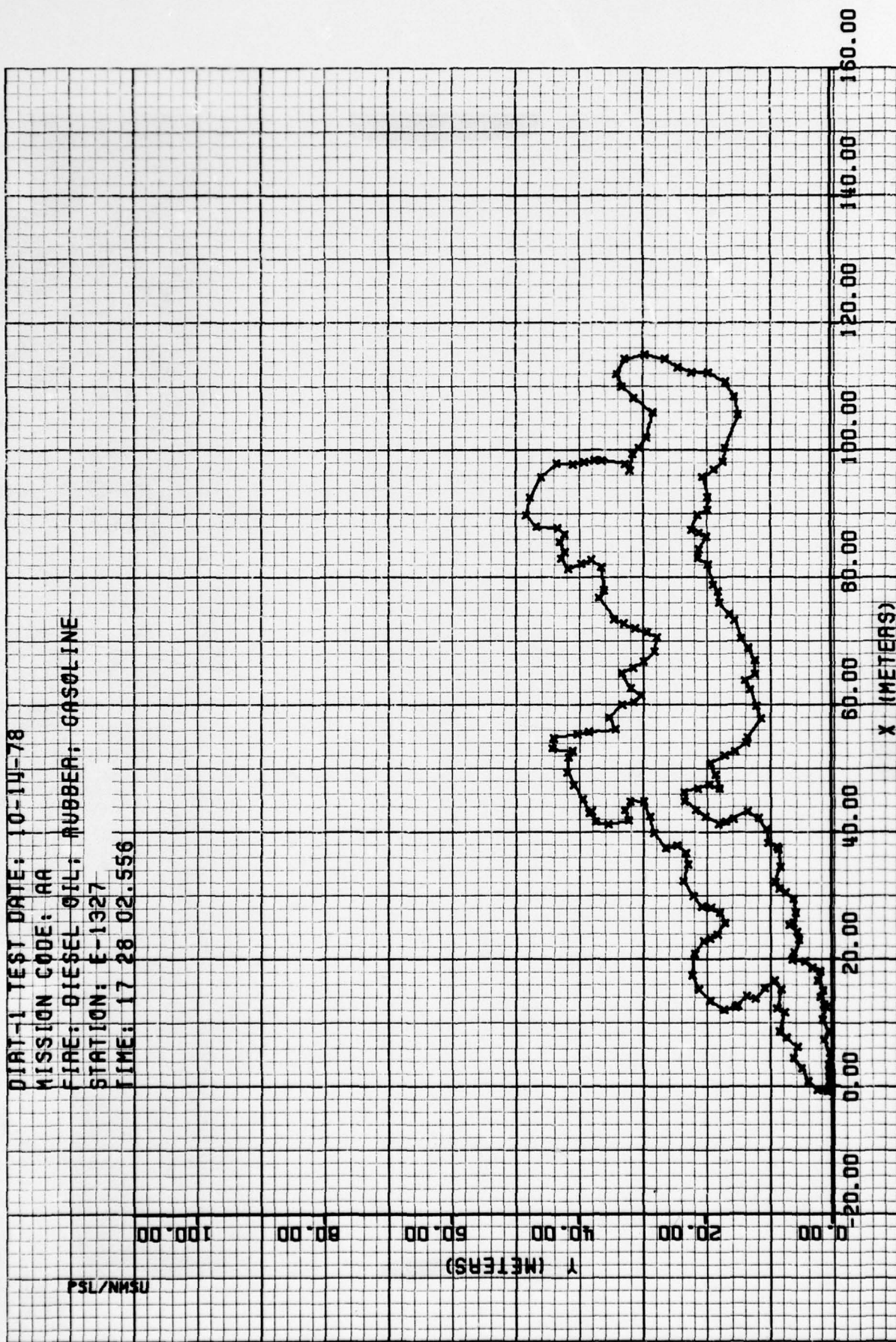
MISSION CODE: AA

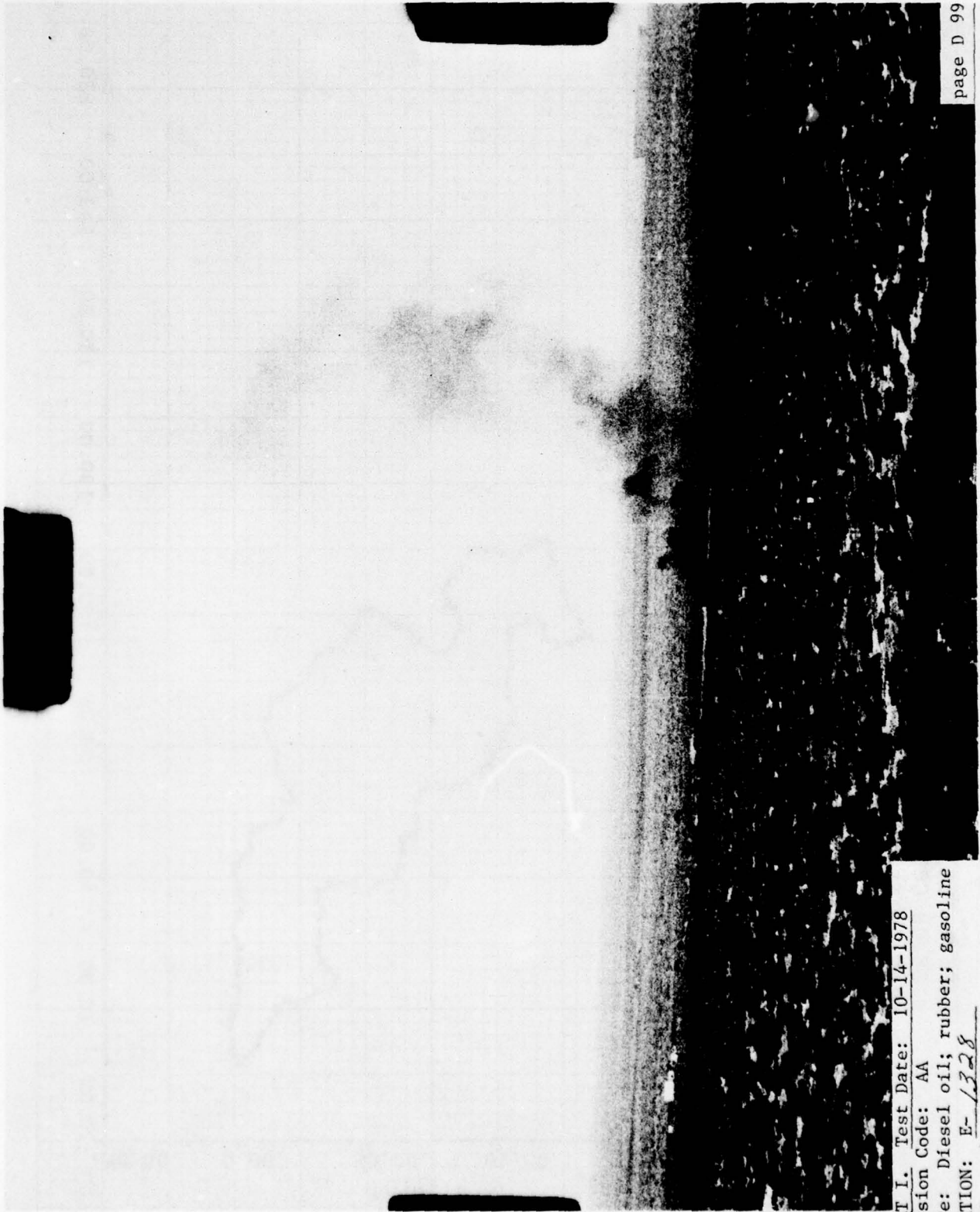
FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 28 02.556

PSL/NMSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 27 m, 12.261 s

DIAT-1 TEST DATE: 10-14-78

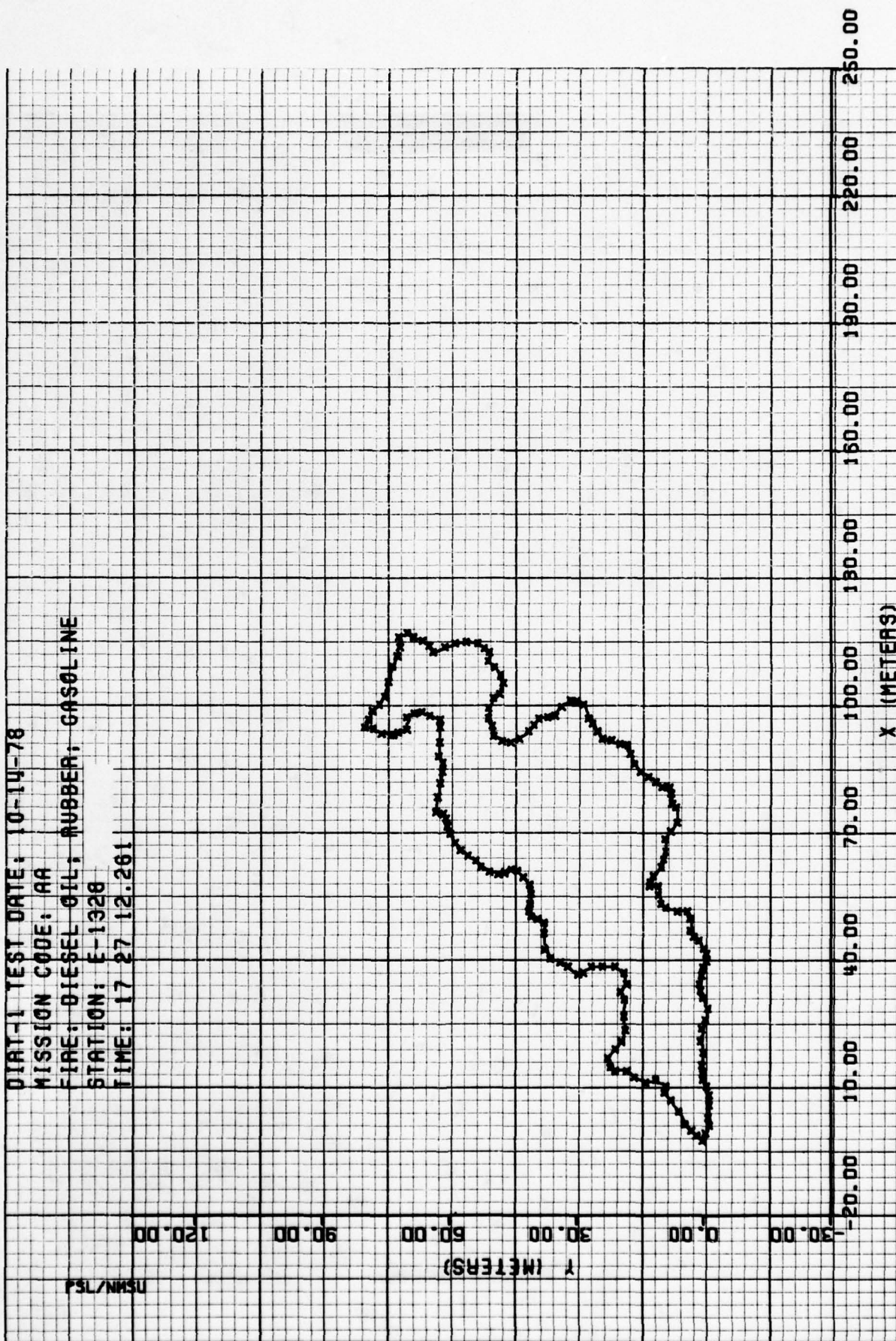
MISSION CODE: AA

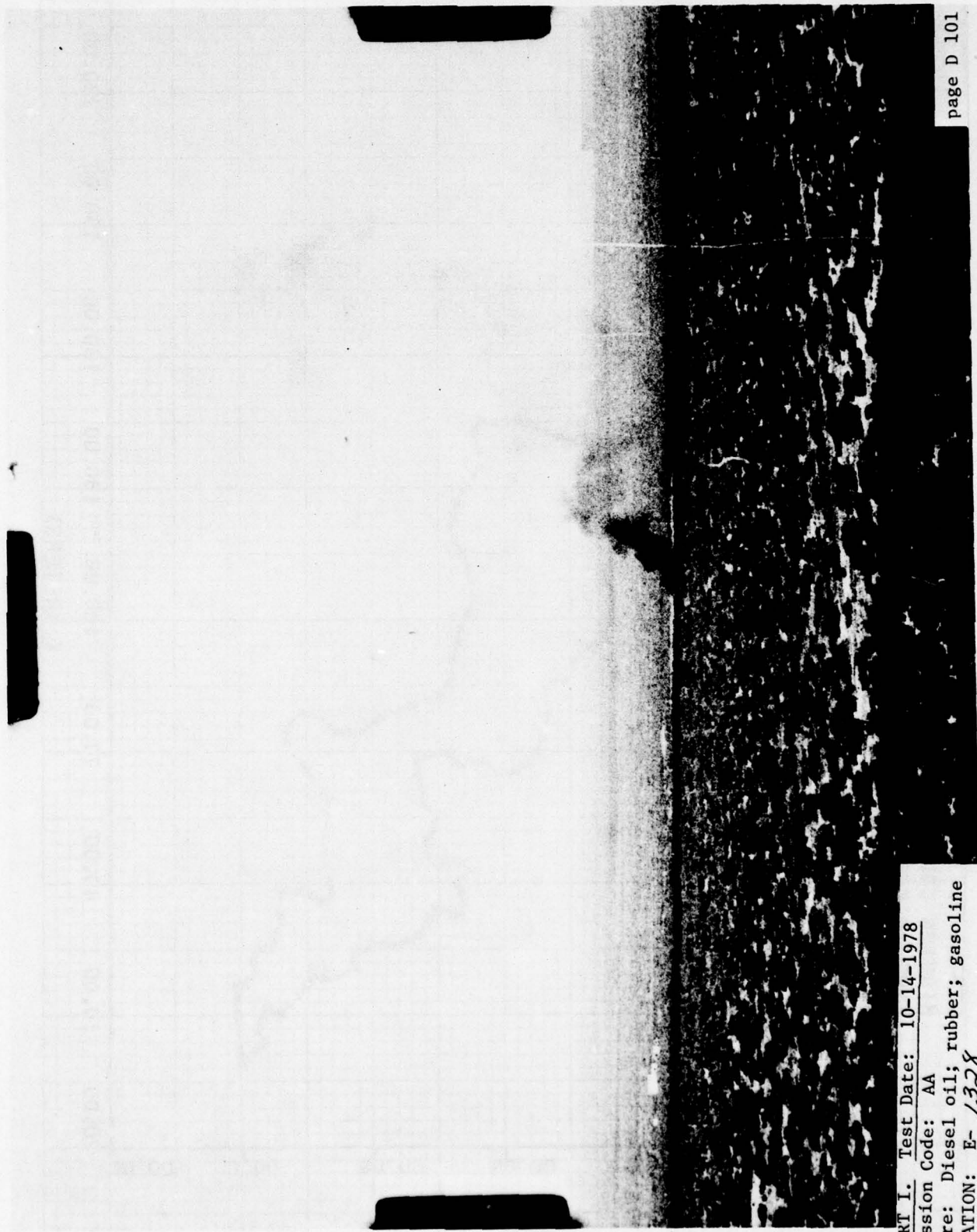
FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

TIME: 17 27 12.261

PSL/NMSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 27 m, 31.700 s

DIAT-1 TEST DATE: 10-14-78

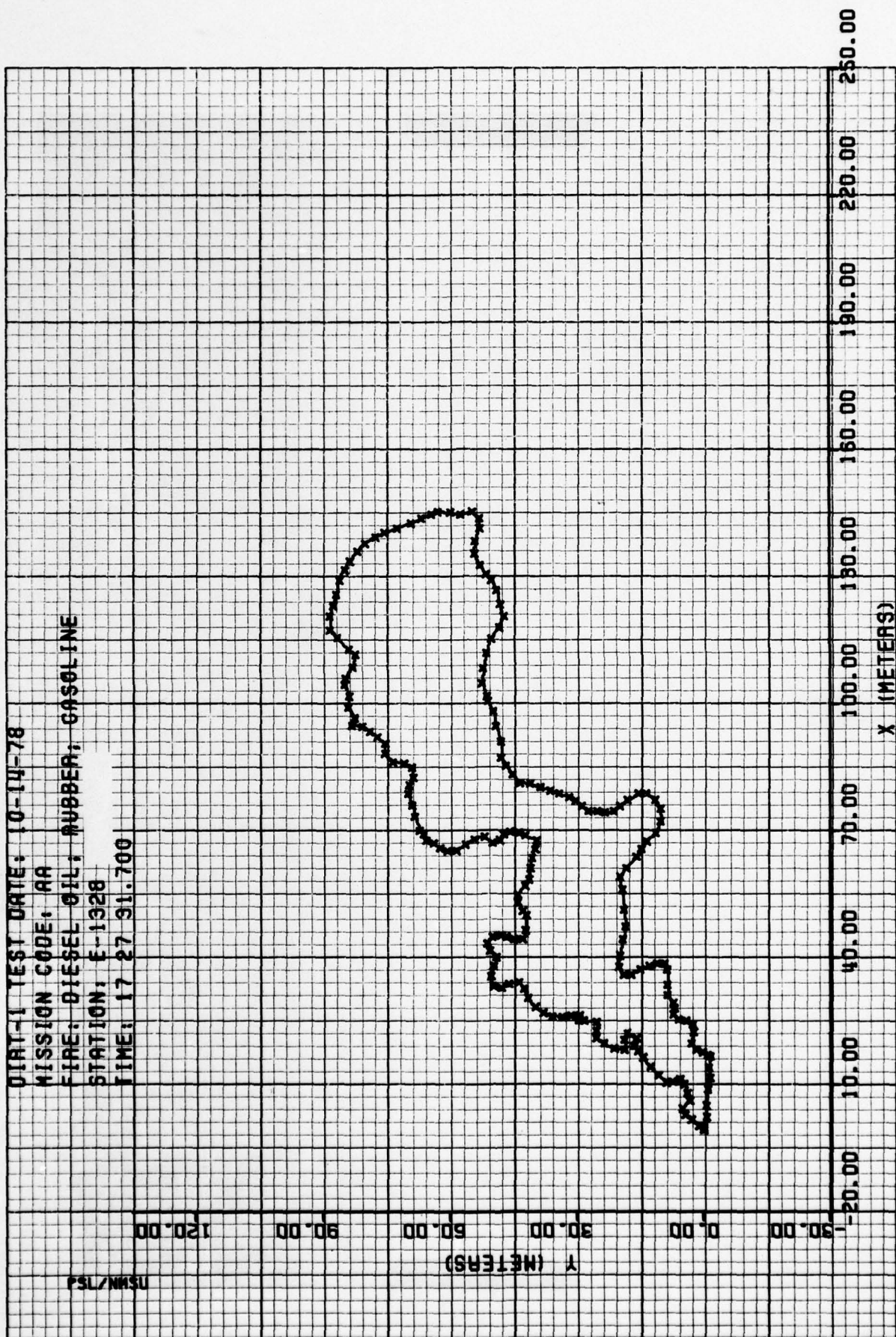
MISSION CODE: AA

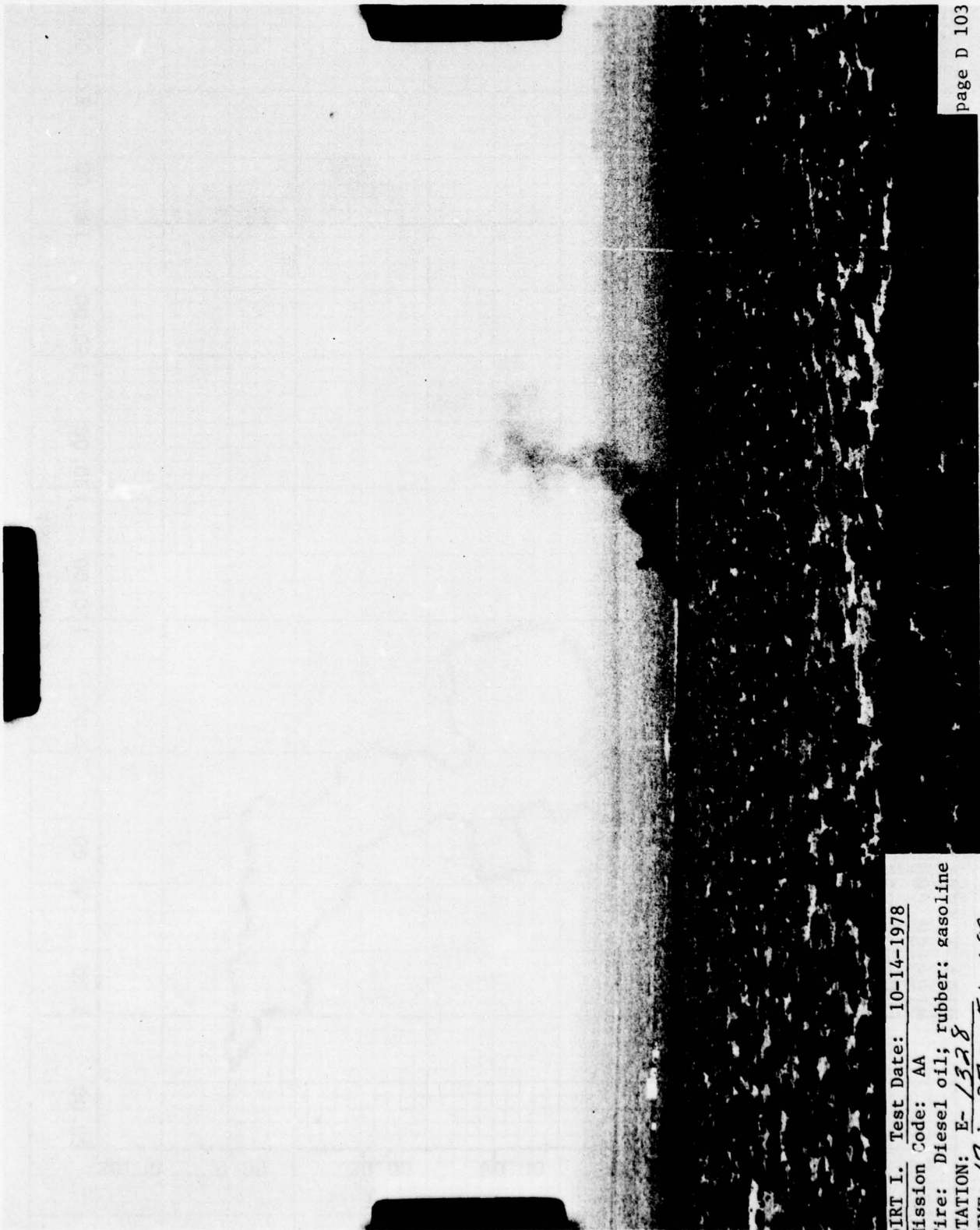
FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1328

TIME: 17 27 31.700

PSL/NMSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 27 m, 51.089 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1328

TIME: 17 27 51.089

NSL/MSL

Y (METERS)

X (METERS)

DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 29 m, 40.310 s

DIAT-1 TEST DATE: 10-14-78

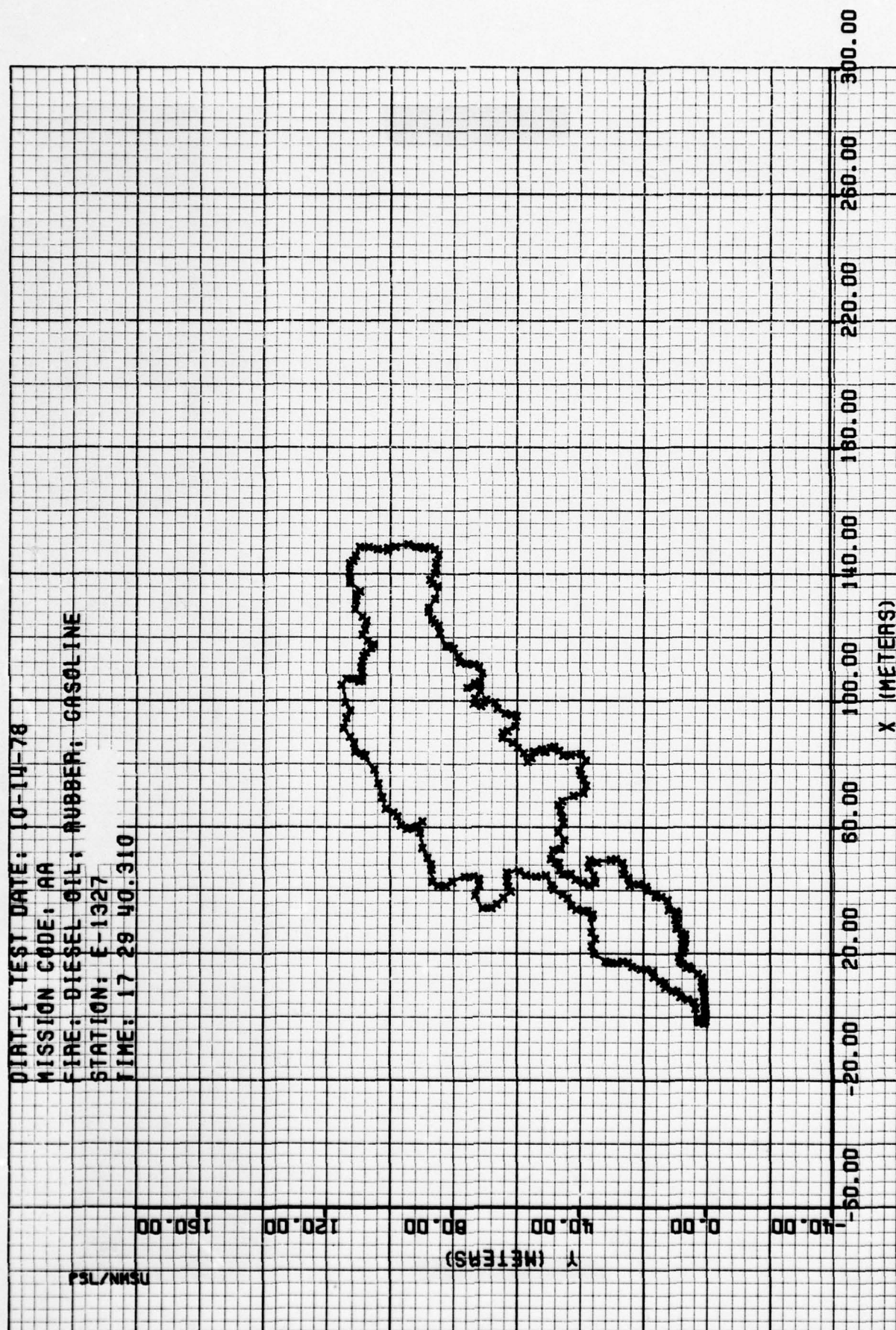
MISSION CODE: AA

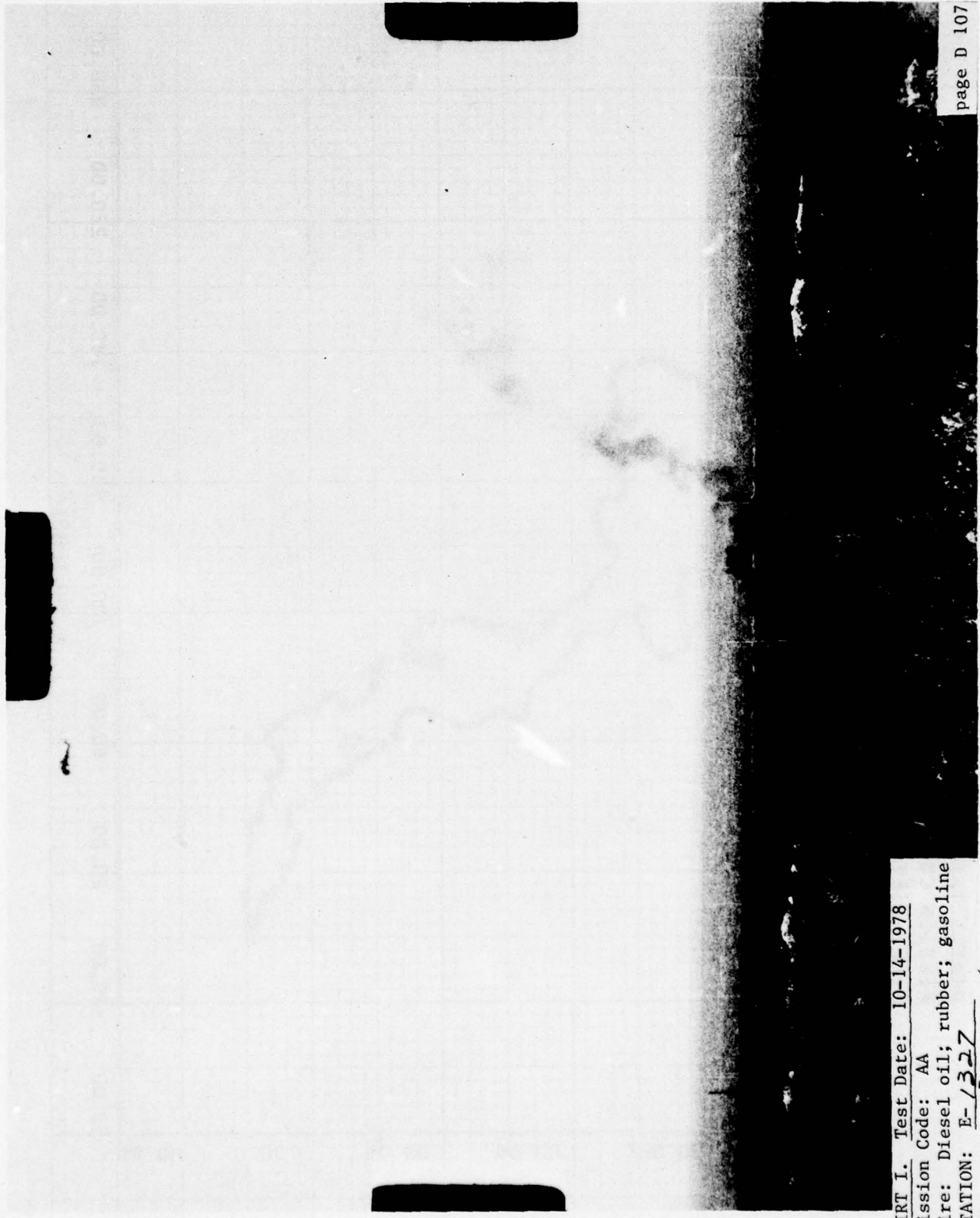
FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1327

TIME: 17 29 40.310

PSL/NHSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 30 m, 04.000 s

DIAT-1 TEST DATE: 10-14-78

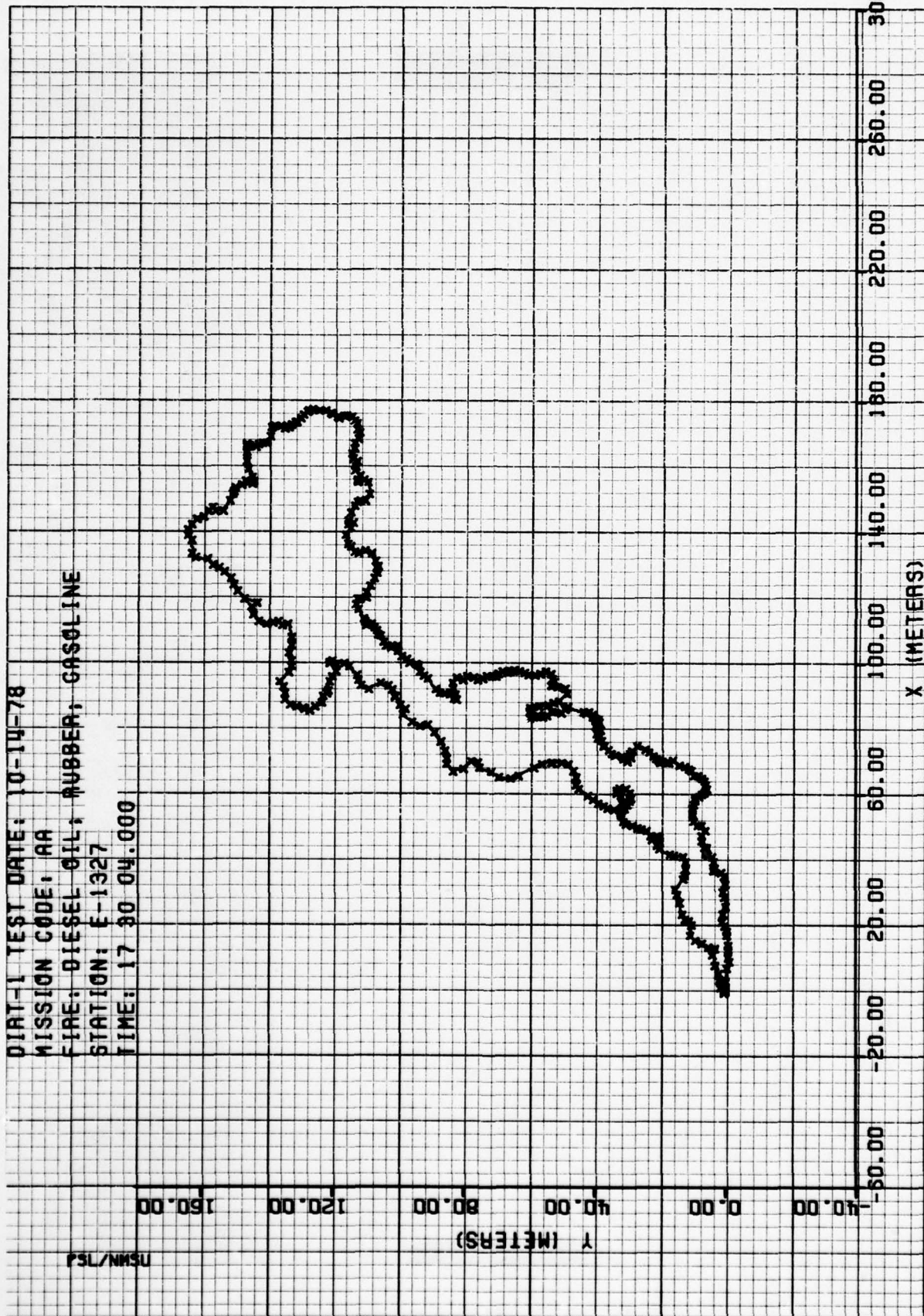
MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1327

TIME: 17 30 04.000

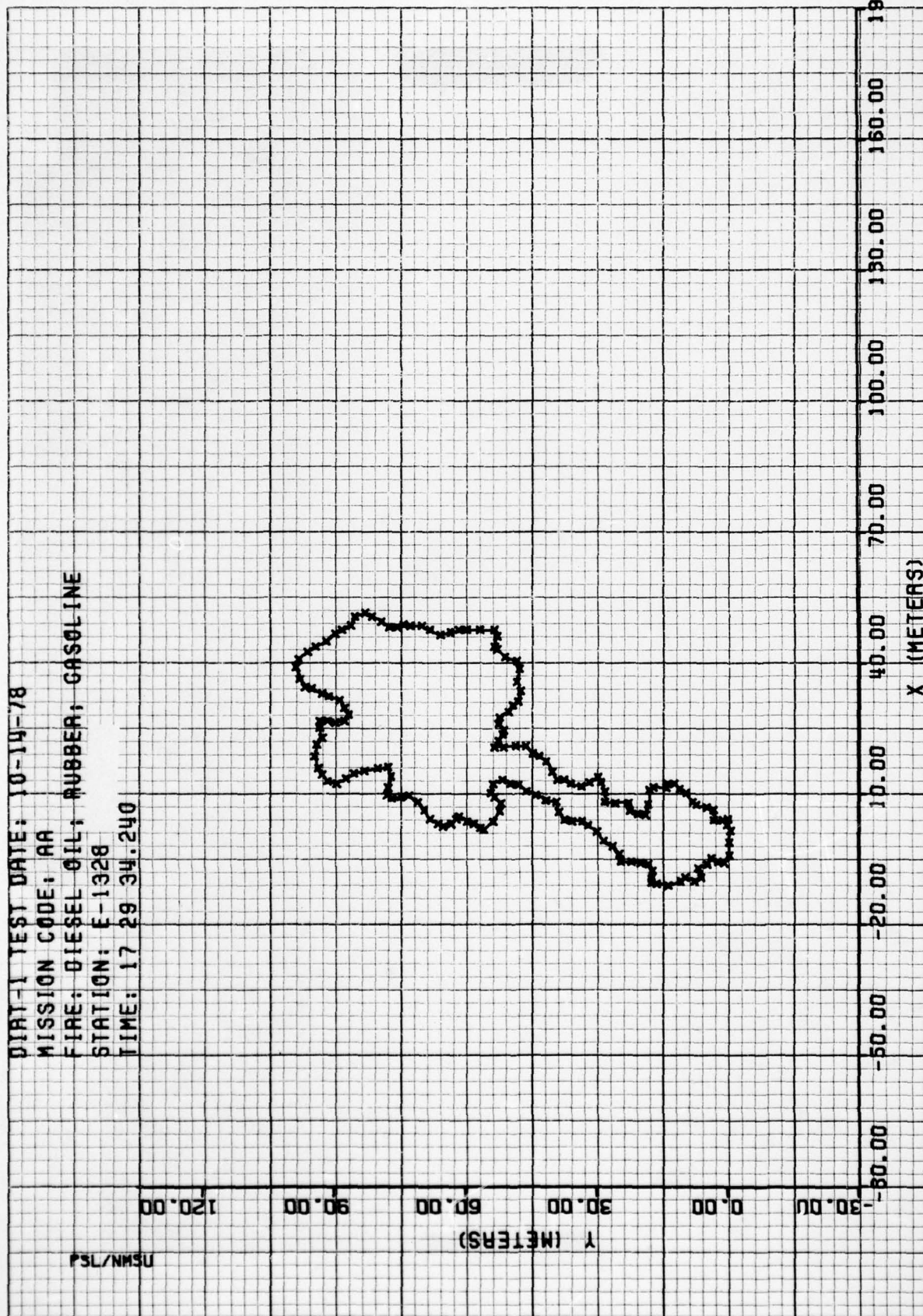
PSL/NMSU

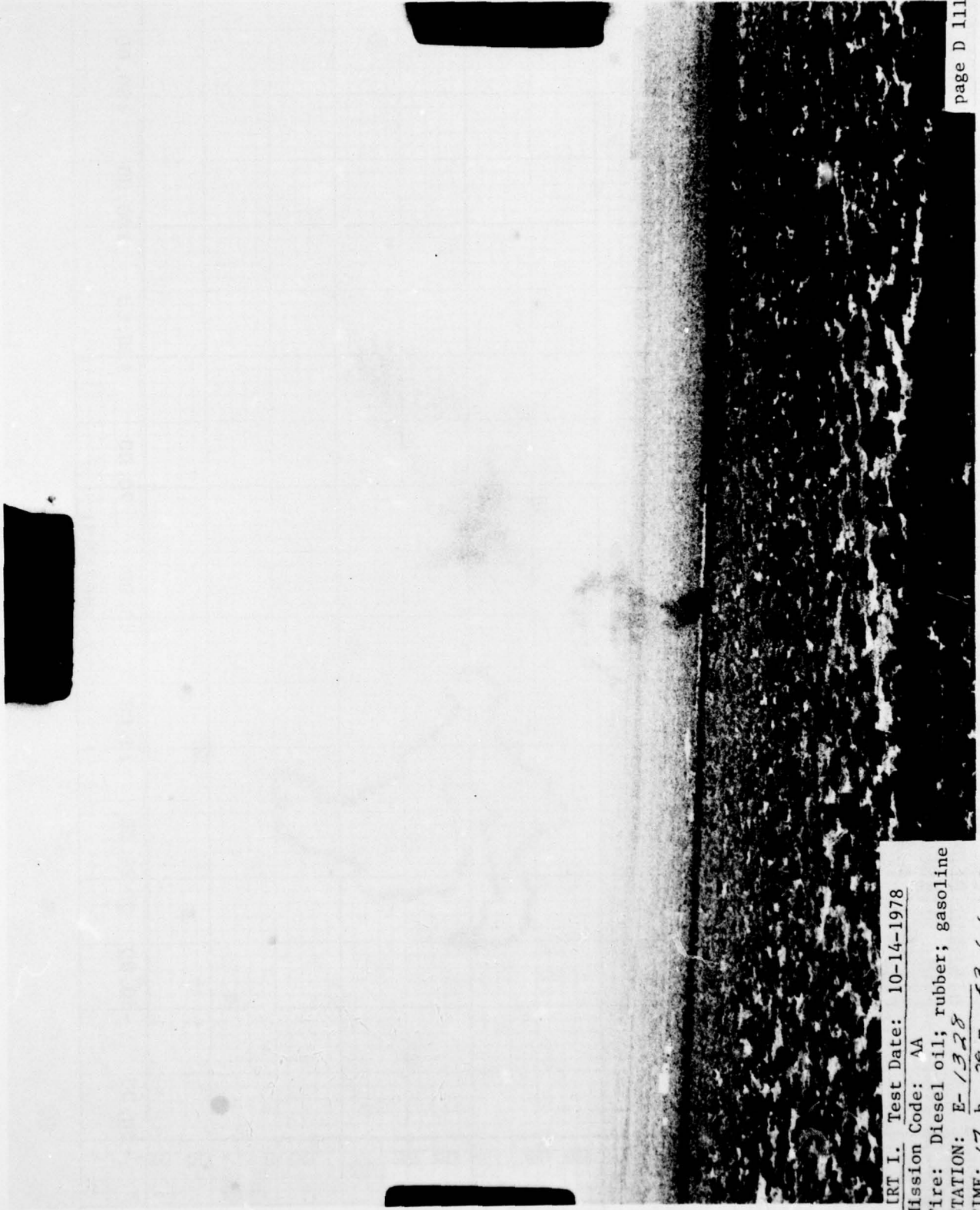


PIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17h, 29m, 34.240s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 29 34.240

PSL/NMSU

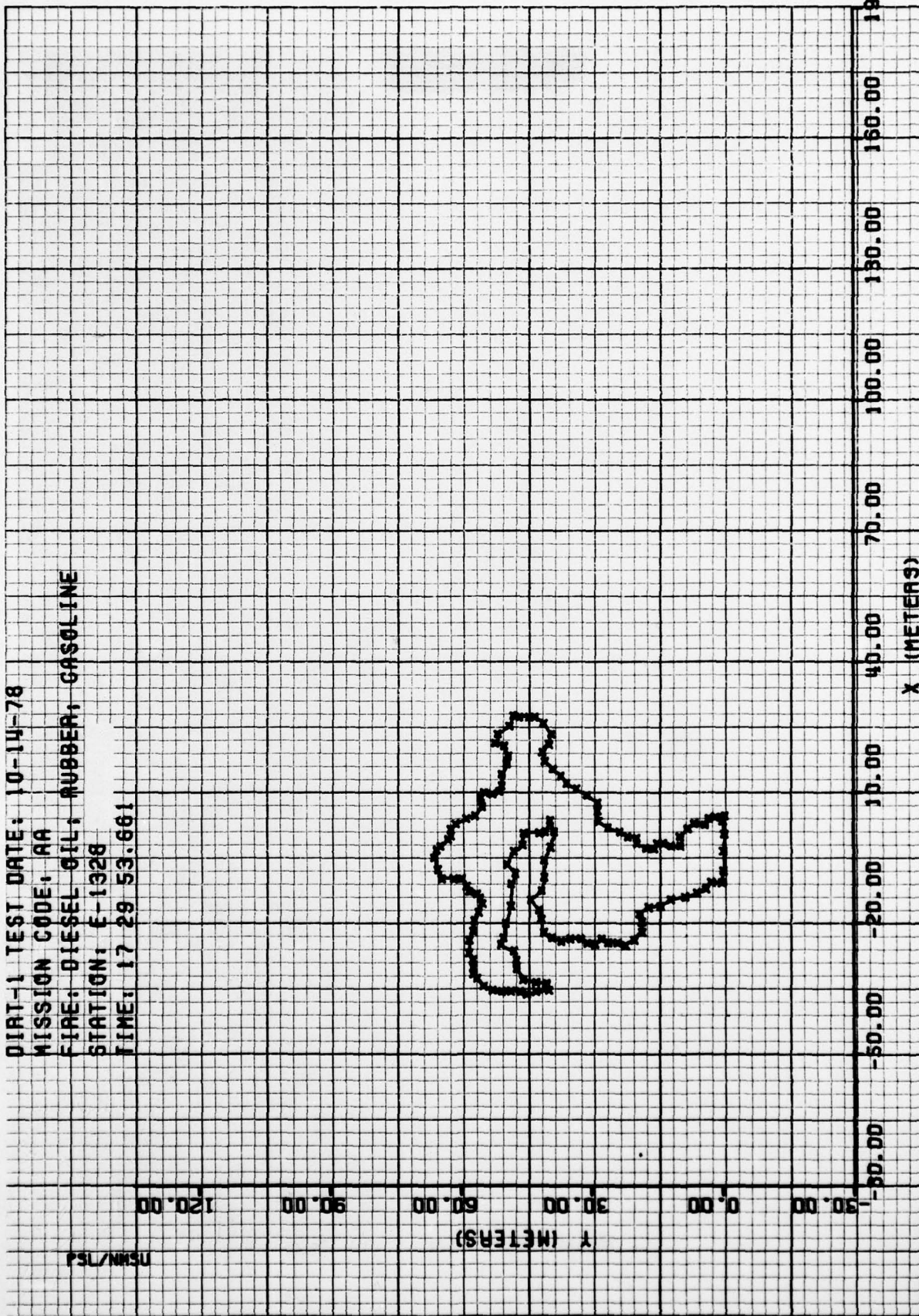




RT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 22 m, 53.661 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL, RUBBER, GASOLINE
STATION: E-1328
TIME: 17 29 53.661

PSL/NMSU





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 30 m, 13.044 s

DIAT-1 TEST DATE: 10-14-78

MISSION CODE: AA

FIRE: DIESEL OIL; RUBBER; GASOLINE

STATION: E-1328

TIME: 17 30 13.044

PSL/NMSU

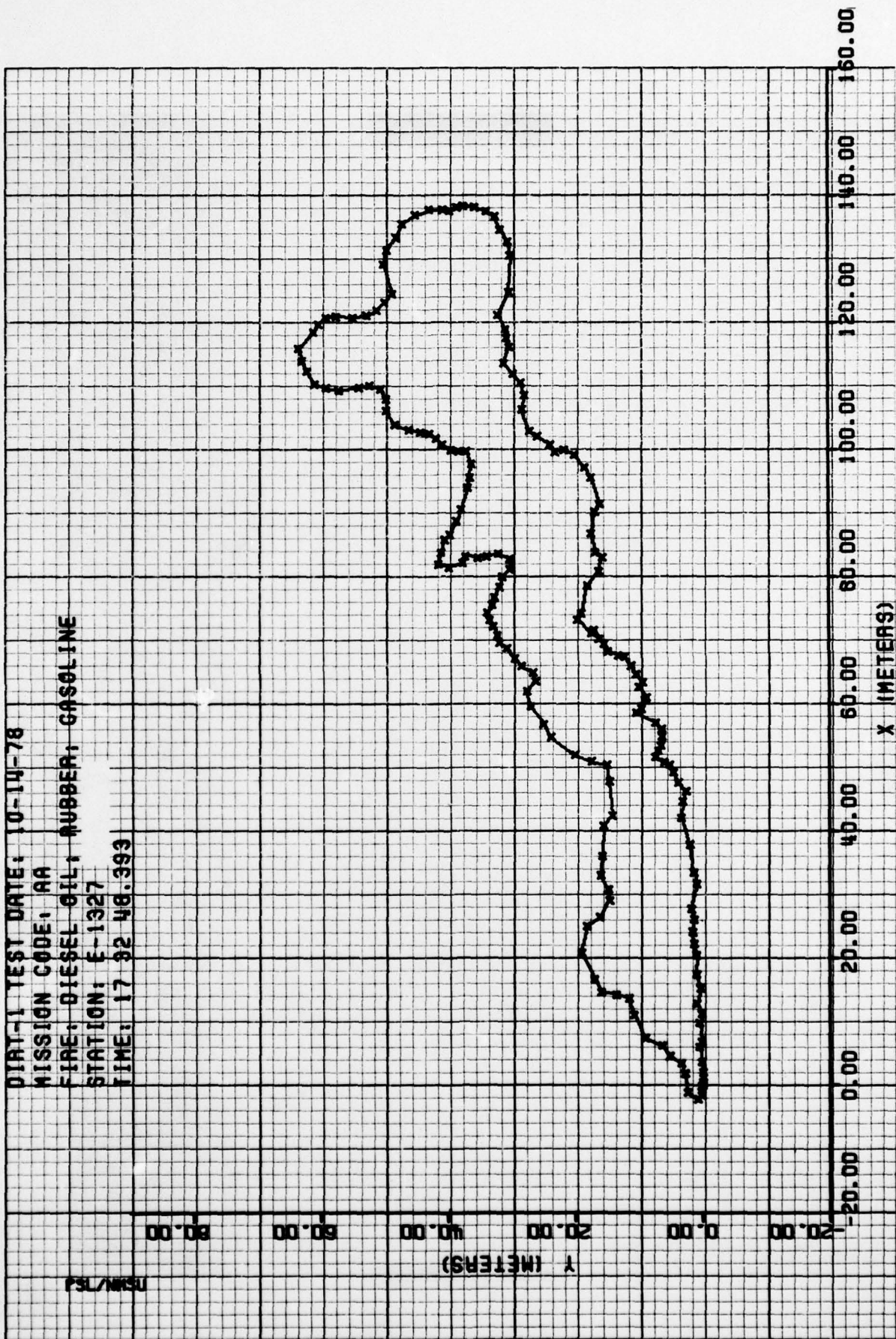
Y (METERS)

X (METERS)

DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 32 m, 48.393 s

DIRT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL, RUBBER, GASOLINE
STATION: E-1327
TIME: 17 32 48.393

PSL/MSU



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1327
TIME: 17 h, 33 m, 24.400 s

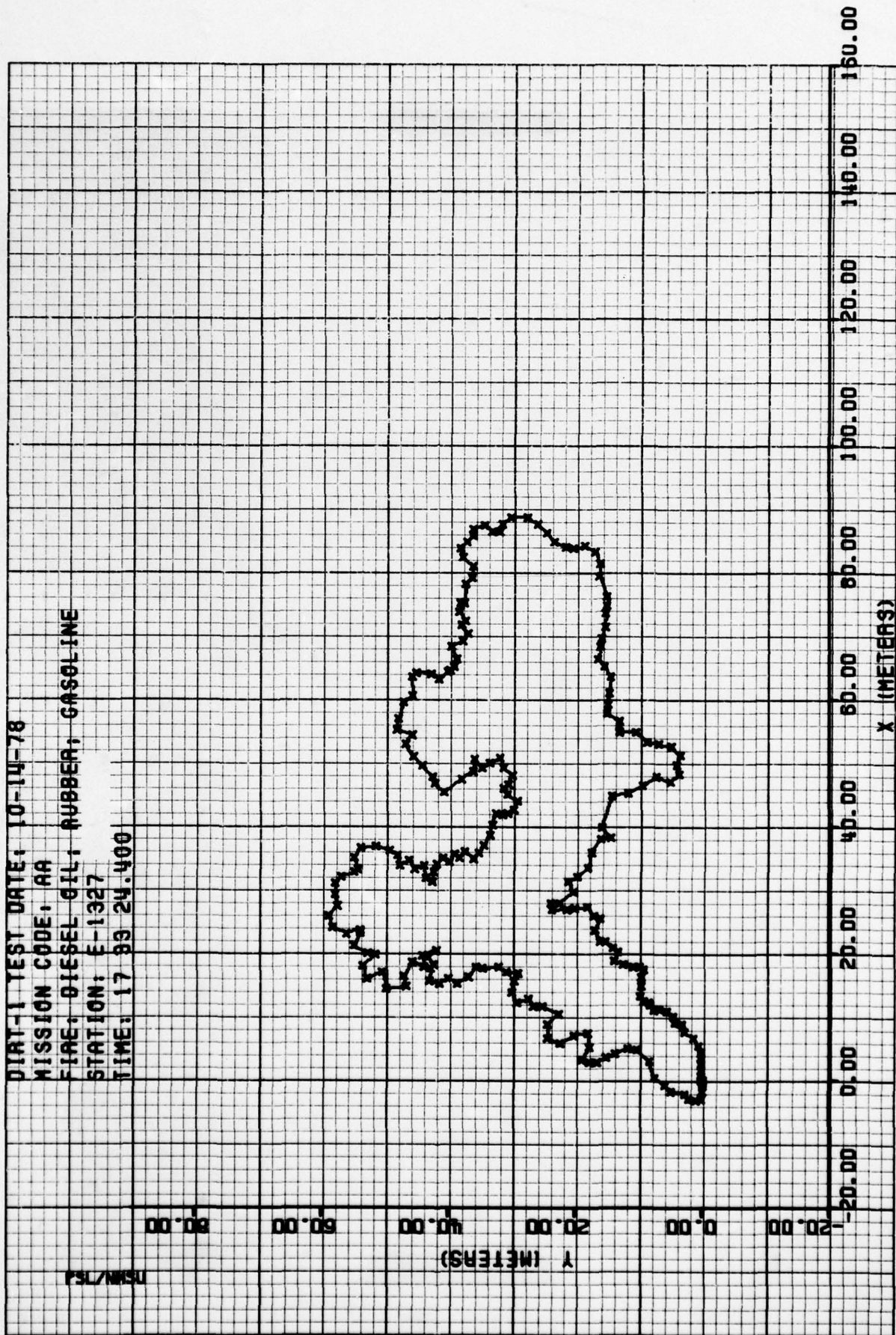
PIRT-1 TEST DATE: 10-14-78

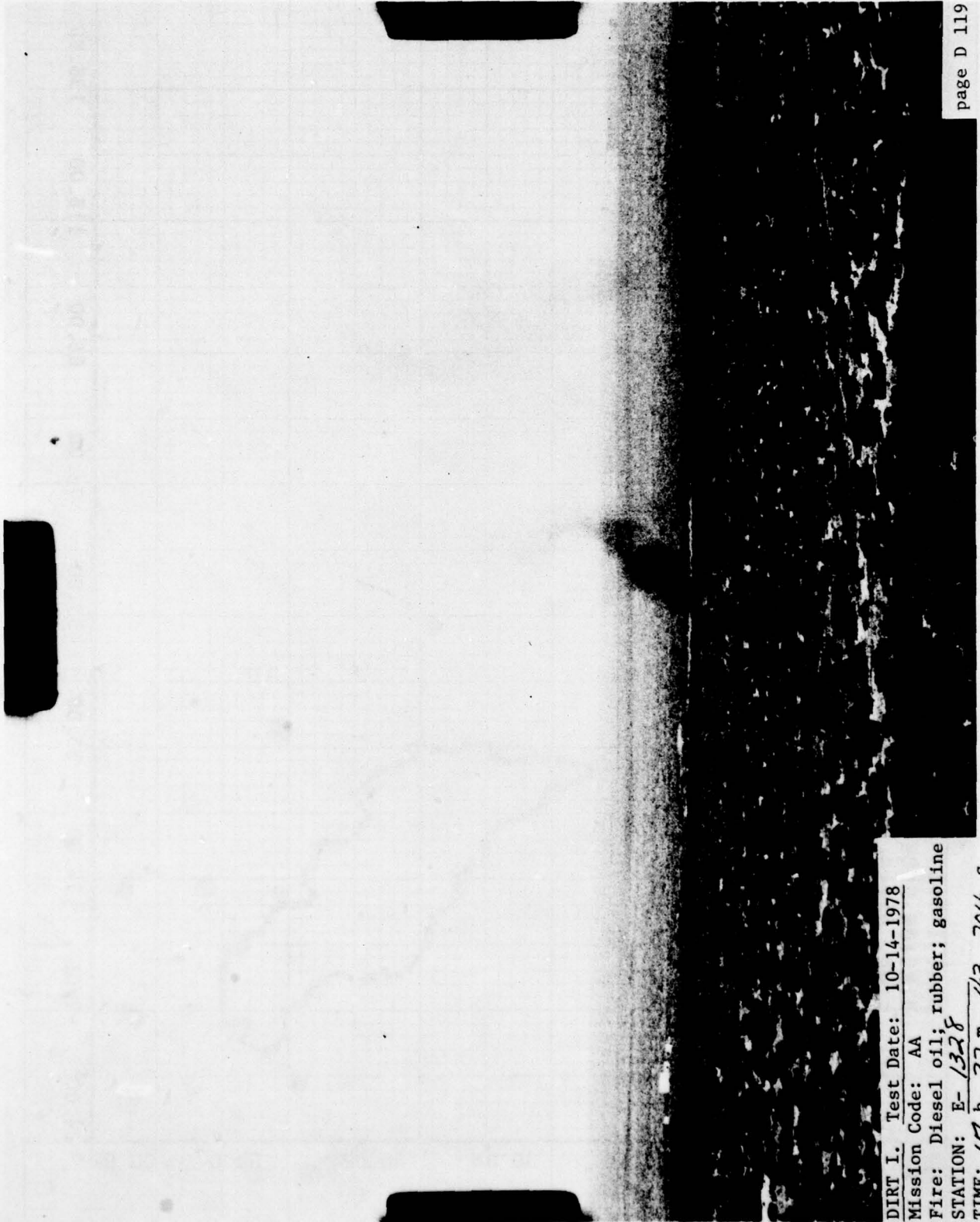
MISSION CODE: AA

FIRE: DIESEL OIL, RUBBER, GASOLINE

STATION: E-1327

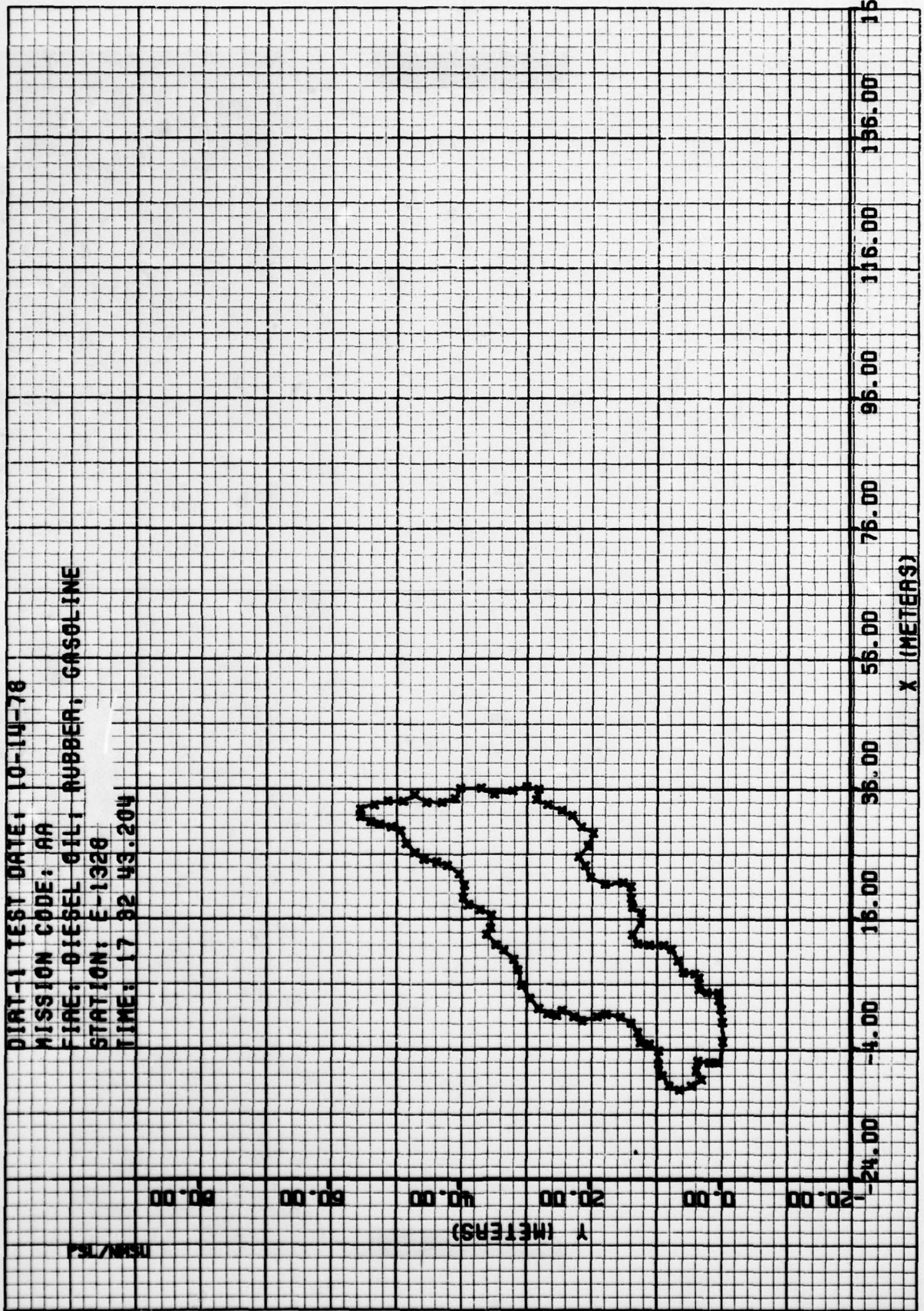
TIME: 17 33 24.400





DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 32 m, 43.204 s

DIAT-1 TEST DATE: 10-14-78
MISSION CODE: AA
FIRE: DIESEL OIL; RUBBER; GASOLINE
STATION: E-1328
TIME: 17 32 43.204



DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E- 1328
TIME: 17 h, 33 m, 02.621 s

DIAT-1 TEST DATE: 10-14-78
 MISSION CODE: AA
 FIRE: DIESEL OIL; RUBBER; GASOLINE
 STATION: E-1328
 TIME: 17 33 02.621

P5L/NASU

80.00

60.00

40.00

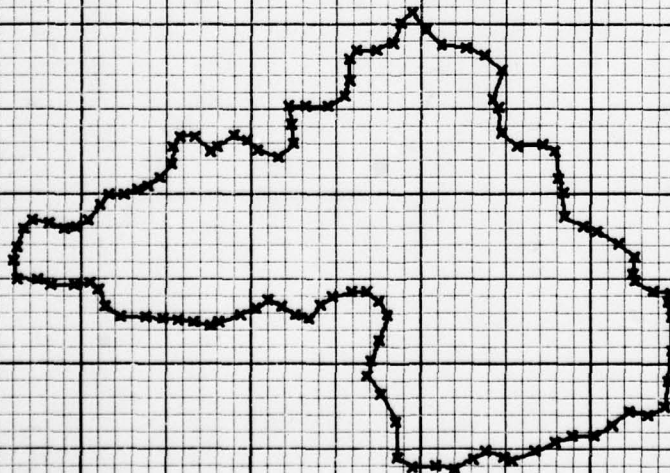
20.00

0.00

-20.00

-24.00

Y (METERS)



156.00

136.00

116.00

96.00

76.00

56.00

36.00

16.00

-4.00

X (METERS)

DIRT I. Test Date: 10-14-1978
Mission Code: AA
Fire: Diesel oil; rubber; gasoline
STATION: E-1328
TIME: 17 h, 33 m, 21.997 s

DIAT-1 TEST DATE: 10-14-78
 MISSION CODE: AA
 FIRE: DIESEL OIL, RUBBER, GASOLINE
 STATION: E-1328
 TIME: 17 33 21.997

